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IDENTIFIERS	*Energy Education

ABSTRACT

This directory offers an annotated listing of over 600 of the most active individuals and groups in the United States working on alternative energy technologies. It details their activities, publications, and services with a contact name, address, and telephone number for each. The entries are listed by state and cross-indexed by areas of expertise. Additional appendices of newsletters, publications, and contact organizations are provided. (Author/RE)

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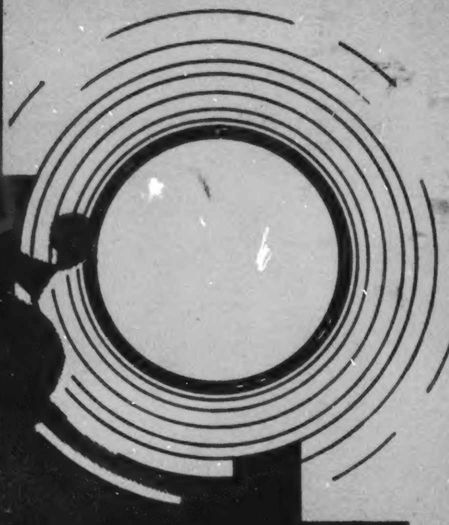

2nd Edition

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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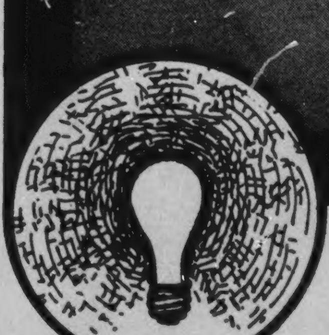
Citizens Energy Project
1110 6th Street NW
D.C. 20001
$11.00



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Ken Bossong

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

SE 032 775

Citizens' Energy Directory

SECOND EDITION
REVISED

This book is dedicated to everyone who has ever wanted to have a book dedicated to themselves.

Compiled by Jan Simpson
with Ken Bossong
Cover Art by
Tom Chalkley

July 1980

The research for and printing of this Directory was made possible by a grant from the Max and Anna Levinson Foundation (Room 405, 95 State Street, Springfield, MA 01103).

PLEASE NOTE: those entries marked with an asterisk(*) after their name are taken from the first edition of the Directory. No changes have been made; however, this does not necessarily mean the information is not up-to-date; all entries were asked to send corrections; those who did were changed and appear without an asterisk.

EDITOR'S NOTE: If errors or omissions are discovered, please notify Citizens' Energy Project so corrections and additions can be made in the third edition. Anyone wishing to be included in future editions should send pertinent information to C.E.P.

Wherever possible, please include a self-addressed, stamped envelope when requesting information form anyone in this Directory.

ALSO AVAILABLE FROM C.E.P.---

Over 500 names from the first edition(6/78) of the Citizens' Energy Directory (citizen groups, manufacturers, consultants, etc.); on sheets that can be copied directly onto mailing labels.........$2.00

Over 1200 names used for gathering entries for the second edition(2/79) of the Directory (mostly manufacturers, publishers and consultants); on sheets that can be copied onto mailing labels...............$5.00

LEAP mailing list---about 3500 names and addresses of key resource groups working on renewable energy technologies; on sheets that can be copied onto mailing labels......................(3/77).....$2.00

Library of Congress Catalog No. 80-65283

CITIZENS' ENERGY DIRECTORY is available from the Citizens' Energy Project, 1110-6th St. N.W., Washington, D.C. 20001. Prepayment is requested on all orders. $11.00 plus $1.00 for postage and handling.

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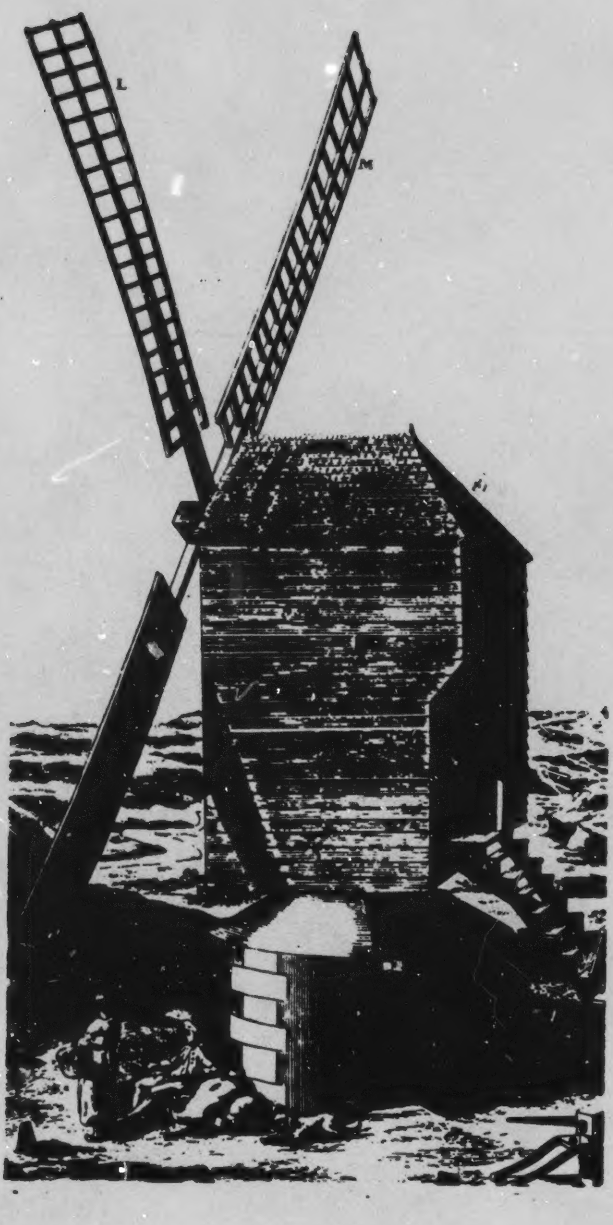


Alabama

ALABAMA ENERGY MANAGEMENT BOARD

3734 Atlanta Highway
Montgomery, Alabama 36130
(205) 832-5010

CONTACT: Edwin G. Hudspeth, Staff Director
ORGANIZATION SIZE: eleven
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to help solve Alabama's energy problems
AREAS OF INTEREST: energy conservation, allocation and resource development
SERVICES: will answer informational requests from the public and help public solve energy problems

CENTER FOR ENVIRONMENTAL AND ENERGY STUDIES *

P. O. Box .247
University of Alabama 35807
(205) 895-6358 or 6257

CONTACT: same
TYPE OF ORGANIZATION: university program
AREAS OF INTEREST: solar, wind, energy conservation
THINGS THEY DO: constructed a solar and wind equipment test facility; contract to identify promising sites across the country for solar and wind development; studying renewable energy sources and self-sufficiency
SERVICES: information clearinghouse, visitors welcome to the Center

Halstead & Mitchell
A DIVISION OF HALSTEAD INDUSTRIES, INC.

HALSTEAD & MITCHELL

P. O. Box 1110
Scottsboro, Alabama 35768
(205) 259-1212

CONTACT. Troy Barkley
ORGANIZATION SIZE: eight in sales force
annual budget-$10 million(gross)
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture all types of heat transfer equipment
AREAS OF INTEREST: active dispersed solar, heat transfer equipment
THINGS THEY DO: made solar collectors for the senior citizens building in Huntsville, AL; supplied a portion of solar collectors for VA Hospital in Wilmington, DE
SERVICES: some exhibit work

SOLAR UNLIMITED, INC.

4310 Governors Drive, West
Huntsville, Alabama 35805
(205) 837-7340

CONTACT: Walter E. Winans Jr., sales manager
ORGANIZATION SIZE: fourteen
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture residential/light commercial solar heating packages; to establish a network of dealers and distributors nationwide to disperse and stand behind the products

AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: completed installation of a solar water and space heating system in the Huntsville-Madison County Senior Citizen Center-12,000 sq. ft. building, 2000 sq. ft. of solar collectors, under a HUD Solar Demonstration Grant
SERVICES: full engineering capability for custom commercial and residential applications; consulting
PUBLICATIONS: 1978 catalog of systems, components and piece parts(contains information on systems selection and comparison); 1979 catalog will be issued in spring(1979)

Alaska

Alaska Center for the Environment
1069 W. 6th Avenue
Anchorage, Alaska 99501
(907) 274-3621

CONTACT: Nancy Lee, Energy Program Director
ORGANIZATION SIZE: 6½ paid staff plus voluntee[illegible]
600+ members
annual budget-$55,000 with additional special purpose grants
TYPE OF ORGANIZATION: membership citizen group
PURPOSE & GOALS: to advocate the wise use of Alaska's natural resources, to disseminate information on Alaskan environmental issues; to enhance communication among individuals and organizations interested in Alaskan environmental issues; to provide basic arctic solar information and cold weather appropriate technology
AREAS OF INTEREST: land use planning, coastal zone management, energy education and policy, appropriate technology, recycling, pipeline impact, fossil fuels, arctic solar technology, alternative energy, hydroelectric, solid wastes, oil/natural gas
THINGS THEY DO: coordinated Alaska's first Alternate Energy Conference(Nov. '79); coordinated 1978 Anchorage Sun Day; community education; networking; information and application and policy
SERVICES: library, speakers, films, alternative energy resource center, workshops and conferences, referrals
PUBLICATIONS: "Center News" ($15/yr./twice monthly); occasional position papers and fact sheets

DEPARTMENT OF COMMERCE AND ECONOMIC DEVELOPMENT

Division of Energy and Power Development
338 Denali, 7th floor, MacKay Building
Anchorage, Alaska 99501
(207) 276-0508

CONTACT: Clarissa M. Quinlan, Director
ORGANIZATION SIZE: 22
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to develop, use and market Alaska's energy resources; to reduce energy dependence on non-renewable sources; to establish a unified econometric model and data base within the state government
AREAS OF INTEREST: solar, tidal, solid wastes, fossil fuels, geothermal, wood, hydroelectric, conservation
THINGS THEY DO: support energy and power development; allocate and conserve energy, oversee Alaska Power Authority; fuel storage, conservation plan; outreach program, wind studies, fisheries studies, plan alternate resource planning
SERVICES: public information and education, grants, federal reporting, word processing, library, speakers, workshops and exhibits, literature

INSTITUTE OF WATER RESOURCES *

University of Alaska
Fairbanks, Alaska 99701
(907) 479-7987

CONTACT: Richard Seifert, Research Associate
ORGANIZATION SIZE: 25
annual budget-$400,000
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: educational research, for scientific and public service research
AREAS OF INTEREST: solid wastes, tidal, hydroelectric, solar, alternative lifestyles
THINGS THEY DO: coordinated a public forum; proposals for a conservation house; energy efficient home for the subarctic
SERVICES: workshops, literature, consulting(limited)

Arizona

ARIZONA COMMUNITY ACTION ASSOCIATION

1001 N. Central Avenue, Suite 312
Phoenix, Arizona 85004
(602) 252-6067

CONTACT: Jim Gonzales, Energy Project Coordinator
ORGANIZATION SIZE: nine
TYPE OF ORGANIZATION: nonprofit corporation
PURPOSE & GOALS: to provide technical services to Community Action Agencies, and to maximize participation and involvement of the poor in state energy issues, decision-making processes and administration of energy programs
AREAS OF INTEREST: programmatic and structural activities for community and neighborhood based technologies
THINGS THEY DO: conduct utility litigation and training for the poor; address energy issues on a state, regional, and national level
PUBLICATIONS: directories and resource lists; children's literature on energy---send for listing

ARIZONA
SOLAR ENERGY
RESEARCH
COMMISSION

ARIZONA SOLAR ENERGY RESEARCH COMMISSION *

1700 West Washington
Room 502
Phoenix, Arizona 85007
(602) 271-3682

CONTACT: James F. Warnock, Executive Director
Donald Osborn, Associate Director
ORGANIZATION SIZE: five
annual budget-$600,000
TYPE OF ORGANIZATION: state
PURPOSE & GOALS: to maintain planning and information resources on solar energy and energy conservation; to fully develop the state's solar resource while maintaining living standards and conserving fossil fuels; to develop solar industry in Arizona
AREAS OF INTEREST: solar, photovoltaics, conservation
THINGS THEY DO: promote the development of solar industry; provide information about solar to citizens; provide legislative support
SERVICES: speakers, workshops, exhibits, demonstration projects, literature, films, consulting
PUBLICATIONS: write for information

ARIZONA STATE UNIVERSITY LIBRARY *

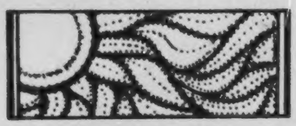
Solar Energy Collection
Tempe, Arizona 85281
(602) 965-7608/7607

CONTACT: George Machovec, Solar Energy Librarian
ORGANIZATION SIZE: 1½
TYPE OF ORGANIZATION: university library
SERVICES: data bank, reference service, computerized literature searching(fee) in areas of solar, wind, bioconversion, conservation, Solar Energy Index

ARIZONANS FOR SAFE ENERGY

7501 East Hubbell
Scottsdale, Arizona 85257
(602) 945-2400

CONTACT: Russell Lowes
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to aid in directing Arizona and the Southwest toward safe and humane energy forms, in particular solar power applications and conservation of energy, and away from power sources that are non-renewable, highly centralized and unsafe
AREAS OF INTEREST: wind, passive and active dispersed solar, photovoltaics, utilities
THINGS THEY DO: in the past and currently--have helped run citizen initiative campaigns, safe energy education campaigns, organized grassroots efforts, legally intervened in rate cases and power plant applications, provided in-depth research on energy economics and resources issues, and undertaken direct study and construction of low-tech solar power devices
SERVICES: research for legal action taken for safe energy alternatives and against unsafe energy forms; AFSE will also act as a contact for out-of-state energy groups
PUBLICATIONS: "Energy Options for the Southwest, Part I: Coal and Nuclear Power", January, 1979, $5, 45 pages(in-depth description of high-cost nuclear plant economics in comparison to coal costs, coal power being the Southwest's prime electricity source): "Atomic Power vs. Water Conservation", April 21, 1978, 50¢, 16 pages(comparison of nuclear plant water-demands with those of coal and solar plants)



COMMITTEE FOR A NON-NUCLEAR FUTURE

1965 E. Ellis Drive
Tempe, Arizona 85282
(602) 839-1736 or 838-0837

CONTACT: Mark Reader, Jerry Moulton
TYPE OF ORGANIZATION: university, citizen group and individuals
PURPOSE & GOALS: to produce and disseminate reliable non-nuclear information and viewpoints
AREAS OF INTEREST: social and human impact of energy choices
THINGS THEY DO: educate,people associated with the committee have produced sound slide shows(Nuclear Stew: Arizona Style and Energy: The Human Dimension), energy fairs, designed courses and curricula on energy education and alternative futures; served as speakers and resources on energy and nuclear related topics and documentaries, written extensively on energy-related subjects
SERVICES: slide shows, teach people how to set up energy fairs, curricula, exhibits, workshops, write proposals, articles
PUBLICATIONS: slide show(80 slides)-rental; articles: Mark Reader- "Nuclear Power and the History of the Future", 4 pages, 10¢; "An Appeal to Humankind: The Case Against Nuclear Power", 4 pages, 10¢; others- write for complete listing(SASE)

COMMITTEE FOR ECONOMIC OPPORTUNITY INC.--WEATHERIZATION

602 East 22nd Street
Tucson, Arizona 85713
(602) 622-4896

CONTACT: Michael Frith, Cecilia Garcia, Robert Grigsby
ORGANIZATION SIZE: seventeen
TYPE OF ORGANIZATION: DOE/CSA weatherization program
PURPOSE & GOALS: to improve the thermal performance of low-income houses; save energy bills, enhance the comfort of senior citizens; to act as poor people's advocate in energy matters; to educate the public in conservation and alternative energy
AREAS OF INTEREST: passive solar, utilities, domestic energy conservation
THINGS THEY DO: weatherize and insulate low-income households: repair broken windows and doors, insulate, weatherstrip
SERVICES: conduct conservation and alternative energy seminars and workshops, demonstration projects, community energy information services

CONFERENCE OF CONSUMER ORGANIZATIONS(COCO)*

Box 4277
Tuscon, Arizona 85717
(602) 884-2945

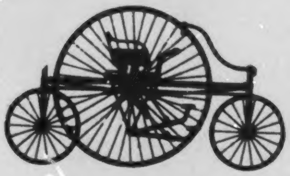
COCO

CONTACT: Currin B. Shields, Director
ORGANIZATION SIZE: membership, volunteer staff
TYPE OF ORGANIZATION: nonprofit consumer
PURPOSE & GOALS: to promote consumer representation, information, protection and service
AREAS OF INTEREST: consumer affairs
THINGS THEY DO: surveys, panel on energy
SERVICES: newsletter, surveys
PUBLICATIONS: COCO Intercom, newsletter($10/yr., individual, $30, organization)

PATRICK G. CRANDALL *

1938 South Plumer
Tuscon, Arizona 85713
(602) 884-8181

CONTACT: same
PURPOSE & GOALS: to live self-sufficiently and using alternative energy as much as possible
AREAS OF INTEREST: solar, conservation, solid wastes, wood, water conservation
THINGS HE DOES: has own organic garden, active solar collector, uses wood for energy, recycles paper and metals, plans to build stone house; plans compost pit using water for plants in garden
SERVICES: networking, library, workshops, literature, consulting, technical studies



DSET
LABORATORIES, INC.

Box 1850
Black Canyon Stage
Phoenix, Arizona 85029

Telephone: 602-465-7356

CONTACT: M.W.Rupp, Marketing Manager
ORGANIZATION SIZE: 40 member staff
TYPE OF ORGANIZATION: internationally known testing laboratory with 30 years' experience in testing and weathering of outdoor materials and devices
PURPOSE & GOALS: to provide comprehensive, expert testing services for manufacturers of solar devices and solar materials as well as for manufacturers and consumers of conventional materials that are slated for outdoor use
AREAS OF INTEREST: materials testing, solar testing, photovoltaic testing, solar component operational testing
THINGS THEY DO: collector testing, materials testing, measurements, calibrations, etc.
SERVICES: portfolio of testing services, consulting, related services

GOETTL AIR CONDITIONING INCORPORATED

2005 East Indian School Road
Phoenix, Arizona 85016
(602) 957-9800

CONTACT: David G. Roesler, President
Frank V. Corvino, Director, Marketing
ORGANIZATION SIZE: 400
TYPE OF ORGANIZATION: manufacturer, contractor
PURPOSE & GOALS: to provide high value products and services; to earn a profit for shareholders; to provide equitable salaries and good working conditions for employees
AREAS OF INTEREST: conservation, fossil fuels, solar, research
THINGS THEY DO: engaged in marketing solar DHW system; planning further involvement in solar (space heating and cooling), solar pool heating systems
SERVICES: exhibits, demonstration units

MICHAEL GREGORY

Rte 1 Box 25A
McNeal, Arizona 85617
(no phone)

CONTACT: same
ORGANIZATION SIZE: one with help from friends
annual budget-$2000-4000
TYPE OF ORGANIZATION: private citizen
PURPOSE & GOALS: homesteading and rehabilitating abused desert grassland range; co-operative organic food production and distribution
AREAS OF INTEREST: conservation and wilderness preservation, alternate lifestyle, solar, bio-fuels, non-chemical farming, native plant utilization
THINGS HE DOES: water-pumping windmill construction; pit-style greenhouse(32' diameter) in partial operation; fruit trees; salvage construction; land rehabilitation; wilderness activist; freelance environmental columnist; anti-herbicide activist; no nukes proponents; food co-op worker
SERVICES: literature, library, informal consulting, talks, questions answered; SW coordinator for herbicide coalition
PUBLICATIONS: feature articles, research reports on herbicides, poems, news articles(ask about prices)

JANUS DESIGN

225 W. University Avenue, Suite 204
Tempe, Arizona 85281
(602) 967-7117

CONTACT: Daniel Peter Aiello
ORGANIZATION SIZE: eight
annual budget-variable
TYPE OF ORGANIZATION: design and research
PURPOSE & GOALS: a research, design, and implementation group committed to the appropriate introduction of innovation into the human-built environment
AREAS OF INTEREST: wind, wood, methane and other biomass, solid wastes, passive solar, resource conservation
THINGS THEY DO: research and design-elements and totalities of the built environment
SERVICES: design, research, demonstration, planning, architecture, engineering, exhibits, lectures, consulting, workshops, media presentation
PUBLICATIONS: Solar Oriented Architecture, Energy-the Human Dimension, Tombstone, Culture & Energy, The Oasis Myth

SOLAR LIVING & SOLAR GREENHOUSE DIGEST

P. O. Box 2626
Flagstaff, Arizona 86003
(602) 526-4874

CONTACT: Twila de Vries, Editor/Publisher
ORGANIZATION SIZE: 2½ staff
annual budget-$35,000
TYPE OF ORGANIZATION: solar energy publication
PURPOSE & GOALS: "In the interest of saving energy, the Digest invites people to become more self-reliant, healthy and help heat their homes and buildings," (commmercial and residential).
AREAS OF INTEREST: passive solar, retrofits, "how-to" solar, wind, wood, alcohol fuels, methane, biomass, geothermal, photovoltaics
THINGS THEY DO: publish magazine; participate on boards of other energy organizations, lecturer, writer, columnist, consultant, information specialist
SERVICES: consulting($25/hr.)on solar and passive and greenhouses, workshops, speaking($100/day plus travel)
PUBLICATIONS: Digest, bimonthly magazine/journal, 48 pages, $10/year

SOLAR SYSTEMS ENTERPRISES

10½ N. Leroux St.
Flagstaff, Arizona 86001
(602) 526-2525

CONTACT: Mark Scanlon
ORGANIZATION SIZE: five
annual budget-$50,000
TYPE OF ORGANIZATION: passive solar design firm
PURPOSE & GOALS: provide residential and commercial passive solar designs
AREAS OF INTEREST: passive and active dispersed solar
THINGS THEY DO: design and construction(homes)
SERVICES: consulting($20/hr. plus expenses)

Arkansas

ARKANSAS CONSUMER RESEARCH *

1852 Cross Street
Little Rock, Arkansas 72206
(501) 374-2394

CONTACT: Glenn Nishimura, Executive Director
Cecilia Hitte, Utility Coordinator
ORGANIZATION SIZE: seven
annual budget-$25,000
TYPE OF ORGANIZATION: consumer group
PURPOSE & GOALS: to work for the protection and education of all Arkansans by disseminating information, preparing reports, sponsoring programs; participation in litigation
AREAS OF INTEREST: conservation, utility rate structures, pricing, alternative energy
THINGS THEY DO: intervene in local utility rate cases; members of Arkansas Energy Conservation Coalition; participate in conferences and symposiums on energy and consumer issues
SERVICES: economic studies, consumer education
PUBLICATIONS: newsletter and others; send for listing

ARKANSAS DEPARTMENT OF ENERGY

3000 Kavanaugh Boulevard
Little Rock, Arkansas 72205

CONTACT: Jerry Lawson, Deputy Director
ORGANIZATION SIZE: 60-70 people
TYPE OF ORGANIZATION: state government energy agency
PURPOSE & GOALS: broad energy-related responsibilities including fuel allocations, energy emergency planning, decommissioning planning and nuclear safety monitoring, conservation programs and standards, renewable and nonrenewable resource development
AREAS OF INTEREST: departmental emphasis is on "soft-path" energy policies--conservation and renewable resources
THINGS THEY DO: wood energy task force; cogeneration task force; bicycling-bike paths committee; energy library; solar workshops
SERVICES: energy audits and workshops for schools, hospitals, small business, industry; technical and regulatory assistance for solar, methane, alcohol fuels, etc.; work with renewable energy trade association and conservation businesses
PUBLICATIONS: Home Energy Conservation Workbook; $0-$50 Conservation Ideas; state and federal tax information; others

JOEL DAVIDSON

Pettigrew, Arkansas 72752
(no phone)

CONTACT: same
TYPE OF ORGANIZATION: private citizen, consultant
PURPOSE & GOALS: to provide technical assistance and expertise in the fields of appropriate technology and alternative energy, and rural homesteading
AREAS OF INTEREST: solar, conservation, wood, wind photovoltaic
THINGS HE DOES: appropriate technology projects; residential use of photovoltaics, sale of photovoltaic systems for home use
SERVICES: speaker, workshops, demonstration projects, technical studies(fees always negotiable), consulting, book reviewer for several publications

PLANNING & TRAINING OFFICE
INDEPENDENT COMMUNITY CONSULTANTS, INC.
P.O. BOX 141 HAMPTON, AR 71744

(501) 798-4510 (J. Cronin, Project Manager)

or
Research and Evaluation Office
P. O. Box 1673
West Memphis, Arkansas 72301
(501) 735-8431 (E. Anthes, Res. & Eval. Director)

CONTACT: Jerry Cronin, Earl Anthes, Ruth Lampi
ORGANIZATION SIZE: seven(plus student interns)
annual budget-$75,000
TYPE OF ORGANIZATION: nonprofit publishing and consulting corporation
PURPOSE & GOALS: to provide accurate, timely and effective technical assistance to social change, minority and community development groups involved in community change activities
AREAS OF INTEREST: assist energy related groups
THINGS THEY DO: assist groups in functioning effectively; management consulting; provide planning, research, training, evaluation, hold public policy retreats
SERVICES: consulting(fees vary), publishing, library, research, workshops, fund-raising
PUBLICATIONS: annual report, Guide to Fundraising & Proposal Writing($2.50), A Guide for the Nonprofit Board of Directors($3.50), "Mt. Ida Reporter",a fundraising, training and management newsletter-free-three times a year

OZARK INSTITUTE

Box 549
Eureka Springs, Arkansas 72632
(501) 253-7384

CONTACT: Edd Jeffords, Executive Director
ORGANIZATION SIZE: five full-time
ten VISTA volunteers
TYPE OF ORGANIZATION: management support organization, grassroots organizing, research
PURPOSE & GOALS: to conduct research, training and programs of benefit to individuals, organizations and communities in the Ozarks; to advocate systems and technology appropriate to alleviating rural poverty
AREAS OF INTEREST: appropriate technology, organization, information dissemination
THINGS THEY DO: providing training assistance for various organizations, conduct public interest research projects
PUBLICATIONS: Ozarka, Journal of the Ozark Institute ($15, subscription and membership)

California

AET INC.
ADVANCED ENERGY TECHNOLOGY

ADVANCED ENERGY TECHNOLOGY, INC.

121 C Albright Way
Los Gatos, California 95030
(408) 866-7686

CONTACT: Mr. Bill Krehbiel, President
Mr. Fred Nadel, Vice-President, Operations
Mr. Bob Altieri, Vice-President, Marketing
ORGANIZATION SIZE: 22
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to produce efficient, lightweight reliable collectors; to promote solar power
AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: manufacture collectors for use in homes, domestic hot water and space heating, pools, spas
PUBLICATIONS: product brochures, "Do-it-Yourself Solar Heating Manual" (12/78, 30 pages, $3.95)

AERO-POWER

2398-4th Street
Berkeley, California 94710
(415) 848-2710

CONTACT: Tom Conlon, Tom Cummins
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: manufacturer, research
PURPOSE & GOALS: to design and manufacture high quality, reasonably-priced wind energy equipment to market globally
AREAS OF INTEREST: wind energy
THINGS THEY DO: have a prototype wind-blade cutting lathe; researching; exploring ways to provide wind reading monitoring stations on a rental basis
SERVICES: demonstration projects, speakers, workshops, technical studies, consulting($25-100/hr.)
PUBLICATIONS: catalog of products

ALTEN CORPORATION INC.

2594 Leghorn Street
Mountain View, California 94043
(415) 969-6474

CONTACT: Terrill E. Buffum, President
ORGANIZATION SIZE: 35
TYPE OF ORGANIZATION: manufacturer
AREAS OF INTEREST: solar
THINGS THEY DO: manufacture solar equipment for space, water, pool heating and air-conditioning

ALTERNATIVE DIRECTIONS IN ENERGY AND ECONOMICS, INC.

502 Precita Ave.
San Francisco, California 94110
(415) 285-8079 (evenings)

CONTACT: Sabira
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: educational
PURPOSE & GOALS: to educate about clean, renewable energy sources, especially OTEC and other solar technologies
AREAS OF INTEREST: OTEC, wind, methane, biomass, passive and active solar, solar electricity
THINGS THEY DO: distribute information, seminars
SERVICES: above, and consulting
PUBLICATIONS: "Ocean Thermal Energy Conversion---Earth as a Partner---Not a Victim"(8 pp., $1), "Emergency Energy Program"(7pp., $1), "Alternative Energy Reading List"(9 pp., $1)

ALTERNATIVE ENERGY COLLECTIVE

2600 Dwight Way, #204
Berkeley, California 94704
(415) 849-3316

CONTACT: Allan Van Vleet, Co-Director
ORGANIZATION SIZE: eight(varies)
annual budget- $100,000
TYPE OF ORGANIZATION: nonprofit, grassroots, educational and research group
PURPOSE & GOALS: to research and disseminate information about appropriate technology and alternative energy to the public to help them create their own energy future; to demonstrate alternative energy systems
AREAS OF INTEREST: solar, low-cost solar, conservation, wind power, wood and bicycle power, alternative transportation, and alternative lifestyle, methane, photovoltaics; socio-econ-political ramifications of alternative energy use, alcohol fuels
THINGS THEY DO: classes, building workshops, planning, exhibits at fairs(currently New Earth Expo), audio-visual presentations, educational exhibit housed at Ft. Cronkhite National Recreation Area
SERVICES: above, solar consulting for design and retrofit($20/hr.), speakers, demonstration projects, technical studies, library, construction of solar equipment
PUBLICATIONS: booklist, AE/AT fact sheets, self-reliance booklet; send SASE for more information and be specific in requests

AMERICAN SUN INDUSTRIES *

3477 Old Conejo Road
P. O. Box 263
Newbury Park, California 91320
(805) 498-9700

CONTACT: Ken Vodraska, Marketing
TYPE OF ORGANIZATION: manufacturer, research
AREAS OF INTEREST: solar power in the United States
THINGS THEY DO: research on availability of solar power; sell solar energy conversion systems

SERVICES: consulting-priced according to time and skill requirement
PUBLICATIONS: articles in numerous alternative energy magazines(Rain, Wind Power Digest)

LAWRENCE BERKELEY LABORATORY

One Cyclotron Road
Berkeley, California 94720
(415) 486-6502

CONTACT: Robert J. Morris, Technology Liaison -930
ORGANIZATION SIZE: 3000
annual budget-$110 million
TYPE OF ORGANIZATION: university(contract by DOE)
PURPOSE & GOALS: to conduct applied and theoretical research in a variety of fields, icluding environmental problems, energy alternatives, biomedical studies, computer systems and more
AREAS OF INTEREST: in energy alternatives-solar, geothermal, cellulose conversion, coal conversion, photosynthetic systems, conservation
THINGS THEY DO: project to convert cellulose to sugar then to alcohol for fuel and gasoline supplement; looking for desert plants that can be converted to fuel or rubber; studies of air pollution in power production
SERVICES: economic studies, technical studies, networking, information services, planning, literature, workshops, speakers, conferences
PUBLICATIONS: LBL Magazine, quarterly; reports from research projects(limited)

BLAZING SHOWERS *

Box 327
Point Arena, California 95468
(no phone)

TYPE OF ORGANIZATION: manufacturer, distributor
PURPOSE & GOALS: hot water for people at low technology from wood and the sun
AREAS OF INTEREST: domestic solar water heating ; wood
THINGS THEY DO: mail order for their products-stove pipe hot water heaters
SERVICES: literature, service on their heaters
PUBLICATIONS: brochure(25¢), manual(specify on wood or solar-$2.50),-contains information on their products as well as alternative energy in general

CALIFORNIA PUBLIC UTILITIES COMMISSION ENERGY CONSERVATION BRANCH

350 McAllister Street, Room 2011
San Francisco, California 94102
(415) 557-2525

CONTACT: George Amaroli, Chief, Energy Conservation Branch; Sesto F. Lucchi, Member, Energy Conservation Branch
ORGANIZATION SIZE: thirteen
annual budget-$413,000
TYPE OF ORGANIZATION: state agency(entry for Branch only)
PURPOSE & GOALS: to conserve all possible non-renewable sources of energy for as long as possible; to delay or defer use of costly fossil fuel and nuclear sources; to provide quantities of energy for growth from conservation of existing sources
AREAS OF INTEREST: fossil fuels, methane, solar, waste heat from industries/utilities; promotion of energy conservation and solar development
THINGS THEY DO: investigate solar and alternative energy uses; promote home insulation programs; test utility pricing methods; improve upon investor-owned utility energy conservation programs and develop new programs such as the California Voltage Regulation Program
SERVICES: demonstration projects, speakers, technical studies, planning, literature, lobbying

CALIFORNIA SOLAR ACTION NETWORK

P. O. Box 563
Davis, California 95616

CONTACT: Janice Jacobson or Francena Hancock
TYPE OF ORGANIZATION: citizen group
AREAS OF INTEREST: passive solar
THINGS THEY DO: planning statewide SunDay 1979, subcontracting with Center for Renewable Resources to do model solar project grant, network with other organizations as regional centers throughout state
SERVICES: information on solar "entities" in California; working on established California Solar Information Switchboard for information and referrals

CENTER FOR SOLAR ENERGY APPLICATIONS *

Building U
San Jose State University
San Jose, California 95192
(408) 277-2939

CONTACT: Dr. D.W.Aitken, Director
TYPE OF ORGANIZATION: nonprofit, largely student-staff
PURPOSE & GOALS: to facilitate the dissemination of alternative energy information to the general public, and to coordinate energy conservation and alternative energy applications on San Jose State campus and surrounding communities
AREAS OF INTEREST: energy conservation, energy use management, solar and wind applications
THINGS THEY DO: dissemination of solar energy information to the public; referrals to other organizations in the region for more specific questions and services; coordination of solar projects
SERVICES: information, referrals, tours of student-built 9000 sq. ft. solar retrofit; courses at the university
PUBLICATIONS: "Solar Energy in Residential Design and Use"($1 donation), others concerning their projects(send SASE for listing)

CENTRAL COAST COUNTIES DEVELOPMENT CORPORATION

1121 North Main
Salinas, California 93901
(408) 757-5231

CONTACT: Peter Raymond, Sergio Vega(209/674-0971)
TYPE OF ORGANIZATION: community development corporation
PURPOSE & GOALS: to upgrade economic status of low-income communities through upgrading skills and providing technical assistance and resources to enable self-sufficient business enterprises
AREAS OF INTEREST: wind, wood, alcohol fuels, methane, solid wastes, passive and active dispersed solar, utilities, photovoltaics
THINGS THEY DO: weatherization, building retrofit, solar heated/cooled greenhouses, energy-efficient agriculture, emergency energy assistance
SERVICES: consulting:solar, agriculture; complete resource library, T.V. video capability, workshops, training programs in A.T., slide shows, speakers

CHAPMAN ENERGY SYSTEMS INC.

20743 Strathern Street
Canoga Park, California 91306
(213) 341-1170

CONTACT: Howard Chapman, President
TYPE OF ORGANIZATION: manufacturer/research
PURPOSE & GOALS: to research and develop their products
AREAS OF INTEREST: wind energy systems to save fuel
THINGS THEY DO: produce Chapman Wind System and Chapman Orbital Engines; planning solar use of the engine
SERVICES: demonstration projects, speakers, professional consulting

CITIZENS HOME ENERGY CONSERVATION PROJECT

Economic and Social Opportunities, Inc.
1460 Koll Circle
San Jose, California 95112
(408) 998-3020

CONTACT: John Masliah, Project Co-ordinator
ORGANIZATION SIZE: annual budget-$111,266
TYPE OF ORGANIZATION: community action agency serving low-income in Santa Clara County
PURPOSE & GOALS: to enable low-income and elderly to particiapte in an energy conservation program, designed to lessen the impact of high-cost energy and reduce individual and family consumption levels
AREAS OF INTEREST: weatherization, insulation, community-wide education
SERVICES: weatherstripping, insulation, caulking, replace furnace filters, replace broken glass, water-heater kits, minor infiltration repairs

THE COEVOLUTION QUARTERLY *

Box 428
Sausalito, California 94965
(415) 332-1716

CONTACT: Stewart Brand, Editor
J. Baldwin, Soft Technology Editor
ORGANIZATION SIZE: fourteen
annual budget-$400,000
TYPE OF ORGANIZATION: magazine
PURPOSE & GOALS: "promulgating the biological metaphor"
AREAS OF INTEREST: bioconversion, conservation, solar, solid wastes, wind, wood, methane, hydrogen, nitonol, satellite solar
THINGS THEY DO: publish
SERVICES: networking, speakers(Stewart Brand-$1,000/talk), literature, films(all on worldwide basis)
PUBLICATIONS: back issues($3 each), subscription ($12/yr.)

COMMUNITY ENVIRONMENTAL COUNCIL*

P. O. Box 448
Santa Barbara, California 93102
(805) 962-2210

CONTACT: Hal Conklin, Paul Relis, Co-directors
TYPE OF ORGANIZATION: community group, nonprofit educational corporation
PURPOSE & GOALS: to advocate comprehensive urban planning; to operate model programs in conservation, recycling; to build a training center; to serve as a clearinghouse for local, state and national environmental information
AREAS OF INTEREST: recycling, conservation, solar, low-energy agricultural, urban planning, resource recovery
THINGS THEY DO: urban garden program with local recreational department; operates recycling center; School of Bio-Intensive Agriculture; Ecology Center Lending Library; holds public forums
SERVICES: library, courses, curb-side pick-up for recycling, workshops, gardening
PUBLICATIONS: "Agriculture in the City"($3), "Community Gardens"(75¢), "How to Build a Solar Herb Dryer" ($2), "Recycling: The State of the Art"($7). All prices include postage and handling; send for listing

COMMUNITY SERVICES DEPARTMENT ENERGY CONSERVATION PROGRAM

686 East Mill Street
San Bernardino, California 92415
(714) 383-3561 or 383-3202

CONTACT: Dina Hunter, Program Director
ORGANIZATION SIZE: twenty
TYPE OF ORGANIZATION: government agency(county)
PURPOSE & GOALS: to promote awareness and the understanding of an energy conservation ethic; to provide energy conservation services; to provide utility assistance for emergency needs
AREAS OF INTEREST: passive solar, active dispersed solar, geothermal, utilities, hydroelectric, oil/natural gas
THINGS THEY DO: weatherization program-free insulation, weatherstripping, caulking, water heater wraps to low-income clients; energy audits(free), educational program-"The Energy Wastrel"-larger-than-life puppets, tours region; utility assistance-free utility payment assistance to low-income clients
SERVICES: speakers, exhibits, workshops(no fees)

COMPOOL CORPORATION

333 FAIRCHILD DRIVE
MOUNTAIN VIEW, CA 94043
(415) 964-2201/964-2492

CONTACT: Peter Bajka
ORGANIZATION SIZE: twenty
annual budget-$850,000
TYPE OF ORGANIZATION: manufacturer
AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: design and manufacture solid state solar controllers, computerized swimming pool/spa/solar controller, all copper solar collectors
SERVICES: consulting in solar and electronics engineering($30/hour)

CONSERVATION DIVISION OF CALIFORNIA ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION

1111 Howe Avenue
Sacramento, California 95825
(916) 322-4520

CONTACT: Donald L. Watson, Administrator
ORGANIZATION SIZE: 74(division), 488(commission) annual budget-$5 million
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to conserve energy resources, provide and encourage alternate energy resources, provide necessary technical assistance
AREAS OF INTEREST: conservation, solar, solid wastes, for environmental protection and legislative uses
THINGS THEY DO: residential and non-residential building standards; appliance efficiency standards; load management demonstration project; energy management assistance
SERVICES: demonstration projects, technical assistance, workshops, publications, films, speakers, informal consulting

COUNTRY CRAFTSMEN *

Box 333
Santa Rosa, California 95402
(707) 542-6535

CONTACT: Ken Moore, Assistant Plant Manager
ORGANIZATION SIZE: fourteen staff members
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and sell iron castings and steel legs to convert cast-off steel drums to woodburning stoves/heaters
AREAS OF INTEREST: wood energy and equipment
THINGS THEY DO: provide "low-cost heater kits with which you can convert any size steel drum into a high-capacity woodburning heater for garages, workshops, basements, saunas and cabins"; kits sell for $20-30 each
SERVICES: will provide some free demonstration projects; some consulting; hope to conduct seminars

EUGENE P. COYLE & ASSOCIATES

P. O. Box 5203
Berkeley, California 94705
(415) 652-1325

CONTACT: Gene Coyle
TYPE OF ORGANIZATION: consultants
PURPOSE & GOALS: to provide technical economic assistance in utility and energy, electric and gas, water to consumer and environmental interests; computerized cost allocation studies for utility costs
AREAS OF INTEREST: all alternatives, water power, solid wastes, oil/natural gas, utilities
THINGS THEY DO: feasibility studies for municipal takeover of investor-owned utility systems; electric and natural gas rate design--consumer and conservation oriented; cost allocation between classes (e.g. residential and industrial)of total utility costs; demand forecasting and financial studies
SERVICES: economic consulting-fees negotiable, workshops on utility intervention

DESIGN SERVICES *

998 Church Street, Apt. 27
Ventura, California 93001
(805) 643-7331

CONTACT: Earl Beck, Owner
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: research, inventor
PURPOSE & GOALS: development of patentable concepts for producing power and reducing the use of fuel
AREAS OF INTEREST: ocean thermal, hydroelectric, solar, geothermal
THINGS HE DOES: works showing how to produce unlimited hydroelectric power using the ocean's thermal temperatures difference; wrote Solar Design Manual while in the U.S.Navy; development of a solar heating/cooling system(water); working on an ocean thermal gradient power plant design
SERVICES: technical studies, demonstration projects, consulting; assistance in analysis of designs/ideas

E I & I ASSOCIATES

P. O. Box 37
Newbury Park, California 91320
(805) 498-5809

CONTACT: Ken Vodraska
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: consulting engineering group
PURPOSE & GOALS: educational and research organization dealing especially with alternative energy fields of solar and wind
AREAS OF INTEREST: wind, active dispersed and passive solar, photovoltaics
THINGS THEY DO: active and passive design for residential use; active solar design for commercial and industrial uses, wind energy conversion system design
SERVICES: consulting(fee based on type of project, length and client); research work for potential manufacturers, code authorities, potential consumers, marketing organizations
PUBLICATIONS: "Availability of Solar Energy"

EARTHMIND

4844 Hirsch Road
Mariposa, California 95338
(unlisted phone)

CONTACT: Michael Hackleman
ORGANIZATION SIZE: small, non-profit
TYPE OF ORGANIZATION: research and educational
PURPOSE & GOALS: research and education in self-sufficient living
AREAS OF INTEREST: solar, wind energy; low-cost home-built approaches
THINGS THEY DO: live on a farm, use wind-generated electricity; are building solar-water heating system; built an electric vehicle, a pedal-powered flour mill; research and publications
SERVICES: literature, speakers, consulting
PUBLICATIONS: newsletter($2 donation), Wind and Windspinners($8)-a book on wind systems for electricity; The Home-Built Wind-Generated Electricity Handbook ($8); slide shows and other literature; send SASE for listing(50¢)

ECOLOGY CENTER OF SOUTHERN CALIFORNIA

P. O. Box 35473
Los Angeles, California 90035
(213) 599-9160

CONTACT: Nancy Pearlman, Executive Director
ORGANIZATION SIZE: volunteers and members
annual budget-$5,000
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to inform the public and to get citizens involved in conservation work
AREAS OF INTEREST: conservation of natural resources, education and action activities, alternative energy, air and water quality, solid wastes, urban problems, park and habitat creation, wildlife preservation, land use planning
THINGS THEY DO: evaluate environmental impact documents; compile directories of environmental organizations in South land; encourage solar energy use; educate about nuclear power dangers, provide input into decision-making process; produce weekly radio show
SERVICES: information clearinghouse, literature and reference materials, speakers, consultation
PUBLICATIONS: bimonthly newsletter ($10/year)

ENERGY AND RESOURCES GROUP

Room 100, Building T-4
University of California
Berkeley, California 94720
(415) 642-1640

CONTACT: Kent Anderson, Prof. Mark Christensen, Prof. Tony Fisher, Prof. John Holdren, Prof. Bart McGuire
ORGANIZATION SIZE: three professors, 35 students
TYPE OF ORGANIZATION: university group
PURPOSE & GOALS: to guide students toward an understanding of the interactions of all resources, including energy, with the global environment
AREAS OF INTEREST: all energy fields
THINGS THEY DO: research and course offerings in energy (politics of energy, solar, energy and society, solar engineering); offer three graduate degrees in ERG; seminar series in energy and resources
SERVICES: library, studies, speakers, literature, consulting(by private individuals)
PUBLICATIONS: newsletter

ENVIRONMENTAL EDUCATION GROUP

18014 Sherman Way, #169
Reseda, California 91335
(213) 342-4984

CONTACT: Alan Arthur Tratner, Director
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: non-profit research, scientific and educational public foundation
PURPOSE & GOALS: to formulate educational materials for the schools on the environment and subjects such as energy, pollution, technology
AREAS OF INTEREST: alternative energy options, technology versus environment, geothermal, nuclear, transportation, solar, wind
THINGS THEY DO: produce and publish publications and reports on a wide range of energy topics; hold seminars and educational programs
SERVICES: environmental educational programs, presentations(slide shows, films, graphics), research reporting, consulting, projects, library, speakers, informational requests answered
PUBLICATIONS: "Public Interest Report", others-write or listing(send SASE)

ENVIRONMENTAL INFORMATION CENTER *

Department of Environmental Studies
San Jose State University
San Jose, California 95192
(408) 277-2852

CONTACT: Director
TYPE OF ORGANIZATION: university department project
PURPOSE & GOALS: to provide information of environmental relevance to the campus and the community
AREAS OF INTEREST: conservation, energy resources, solar, energy alternatives, pesticides, food additives, waste disposal, etc
THINGS THEY DO: 24-hour telephone number; solar library local support to environmental groups; personal assistance offered; have resources for general and specific materials
SERVICES: above and consulting, referrals, material check-out, listings

FAFCO, INC. *

235 Constitution Drive
Menlo Park, California 94025
(415) 321-3650

CONTACT: F. Ford, President
J. O'Lear, Vice-President
ORGANIZATION SIZE: 150
TYPE OF ORGANIZATION: manufacturer/distributor
PURPOSE & GOALS: to manufacture and distribute solar heat exchangers
AREAS OF INTEREST: low-temperature solar for pool heat
SERVICES: manufacturing and nationwide distribution
PUBLICATIONS: newsletter

FARALLONES INSTITUTE

15290 Coleman Valley Road
Occidental, California 95465
(707) 874-3060

CONTACT: Lee Swenson, Executive Director
ORGANIZATION SIZE: seven(at the Rural Center, above)
annual budget-$98,000
TYPE OF ORGANIZATION: nonprofit educational organization working on energy, appropriate technology issues(research and applications)
PURPOSE & GOALS: to demonstrate the feasibility of practical, conserving, biologically sound alternatives to today's wasteful and dehumanizing technologies
AREAS OF INTEREST: small scale intensive food raising, alternative energy systems, home-site treatment of wastes, self-reliance
THINGS THEY DO: operate a farm with solar and wind power; urban location in Berkeley--organic gardening, solar heating for hot water, composting, recycling
SERVICES: tours, demonstration projects, consulting, apprenticeships, memberships
PUBLICATIONS: "City People's Book of Raising Food", ($5.75 ppd.); plans for solar water heater, ($3.50), Windmills of Nebraska, ($3.50); send for listing and more information

FILON DIVISION, VISTRON CORPORATION *

12333 Van Ness Avenue
Hawthorne, California 90250
(213) 757-5141

CONTACT: James E. Whitridge, Product Development Mgr.
Harold Hartman, Advertising/Public Relations
ORGANIZATION SIZE: 200
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture fiberglass-reinforced translucent panels used in solar collectors and skylights and greenhouses
AREAS OF INTEREST: solar
THINGS THEY DO: prodice these panels used in institutions, industrial buildings, patio awnings
SERVICES: demonstration projects, literature, technical studies, informal consulting
PUBLICATIONS: literature on Filon Panels(free)

FRIENDS OF THE EARTH - ENERGY DIVISION

124 Spear Street
San Francisco, California 94105
(415) 495-4770

CONTACT: Elyse Axell, Energy Research
TYPE OF ORGANIZATION: environmental, citizen group
PURPOSE & GOALS: to promote safe energy systems, to preserve and enhance the environment, to facilitate the economic conversion of the U.S. to renewable energy sources as an economic example
AREAS OF INTEREST: nuclear power and other technologies research; provides support and information to individuals and groups opposing nuclear power development; participates in hearings and on committees concerned with energy problems and policies at the federal, state and local levels
THINGS THEY DO: lobbying in Washington, DC and various state capitals, litigation, publishing
SERVICES: networking, lobbying, speakers, workshops, exhibits, technical/economic studies, some consulting(fees determined by tasks)
PUBLICATIONS: "Not Man Apart", monthly newsletter (members-$15/yr.); "Soft Energy Notes"($15/yr., FOE members, $25/yr. others--bimonthly); other books, articles and updates; write for listing

GEOTHERMAL WORLD DIRECTORY and GEOTHERMAL ENERGY MAGAZINE

International Monthly Journal
18104 Sherman Way, #169
Reseda, California 91335
(213) 342-4984

CONTACT: Alan Arthur Tratner, Publisher
ORGANIZATION SIZE: six
TYPE OF ORGANIZATION: publisher of energy materials
PURPOSE & GOALS: to serve the needs of the worldwide geothermal industry and to promote geothermal energy to help solve the energy crisis
AREAS OF INTEREST: geothermal and alternatives
THINGS THEY DO: publish international monthly magazine and an annual directory promoting goethermal power for personal use as well as for selling materials using the power; sponsored an international/national conference on geothermal
SERVICES: journal ($50/yr.); some consulting

GEOTHERMAL RESOURCES COUNCIL

111 G Street, P. O. Box 98
Davis, California 95616
(916) 758-2360

CONTACT: David N. Anderson, Executive Director
ORGANIZATION SIZE: twelve
annual budget-$400,000
TYPE OF ORGANIZATION: nonprofit membership
PURPOSE & GOALS: to encourage research and development in goethermal energy; to encourage sound public policy; to serve as a public forum; to encourage information and dissemination of data
AREAS OF INTEREST: geothermal
THINGS THEY DO: hold technical conferences, short courses, contracts for the government, workshops, library
PUBLICATIONS: monthly newsletter($25/yr.; $3-student; $18-library), Transactions(annual), special reports

Get Oil Out! Inc. P.O. Box 1513
Santa Barbara California 93102

(805) 965-1519

CONTACT: Ellen Sidenberg, Executive Vice-President
ORGANIZATION SIZE: 2000 members, one staff plus volunteers
annual budget-$20,000
TYPE OF ORGANIZATION: community, citizen action
PURPOSE & GOALS: to limit oil production in Santa Barbara channel; the preservation and conservation of natural resources and the prevention of oil production
AREAS OF INTEREST: fossil fuels, specifically offshore oil production and onshore effects
THINGS THEY DO: work on these goals and involvement in alternative energy to replace non-renewable resources
SERVICES: lobbying, library(information available for copying-15 ¢/page)
PUBLICATIONS: bimonthly newsletter

THE GEYSER *

Geothermal Energy Newsletter
P. O. Box 1738
Santa Monica, California 90406
(213) 393-4132 or 395-7787

CONTACT: James P. Miner, Publications Editor
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: publication
PURPOSE & GOALS: international development of geothermal energy sources; industry information
AREAS OF INTEREST: geothermal energy and utilization of hot springs
THINGS THEY DO: research and consultation in alternative methods for the multiple uses of geothermal energy; used in fish farming, agriculture and power generation
SERVICES: consulting, speakers, literature, economic studies, sample copies(3 for $5) of newsletter
PUBLICATIONS: "The Geyser" Newsletter($135/yr.)

GOVERNOR'S OFFICE

Wilson Clark-Assistant to the Governor
1400-10th Street
Sacramento, California 95814
(916) 322-7261

CONTACT: Bert Tibbetts
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: government agency
PURPOSE & GOALS: to advise the governor on energy and environmental issues
AREAS OF INTEREST: all alternative forms of energy as well as conventional sources
PUBLICATIONS: "Energy for Survival", Wilson Clark, Doubleday, 1974

HELION, INC. *

Box 445
Brownsville, California 95919
(916) 675-2478

CONTACT: Dorothy Wood, General Manager
TYPE OF ORGANIZATION: research institute, designer
AREAS OF INTEREST: wind, solar, wood, methane
THINGS THEY DO: construction of completely solar-powered home; autonomous ranch-solar, wind, gardening, etc.; sell greenhouses, solar panels, kits
SERVICES: participate in workshops, seminars on wind energy, speakers, literature, studies(costs on request), consulting
PUBLICATIONS: windmill plans, technical memos

HELIOTROPE GENERAL

3733 Kenora Drive
Spring Valley, California 92041
(714) 460-3930

CONTACT: Al Abernathy, Sam Dawson
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture the Delta-T, differential temperature thermostat for all types of active collection and distribution type systems for solar heating
AREAS OF INTEREST. active dispersed solar
THINGS THEY DO: the most recent design control function is the heliologic which is capable of 16 different switching operations by 24 different temperature inputs
SERVICES: control seminar every quarter
PUBLICATIONS: product brochures

THE BEN HOLT COMPANY

556 South Lake Avenue
Pasadena, California 91101
(213) 684-2541

CONTACT: Ben Holt, President
ORGANIZATION SIZE: forty
TYPE OF ORGANIZATION: engineers and constructors
AREAS OF INTEREST: fossil fuels, geothermal energy
THINGS THEY DO: engineering and construction
SERVICES: research, consulting, studies, design and construction

INTERMEDIATE TECHNOLOGY *

556 Santa Cruz Avenue
Menlo Park, California 94025
(415) 328-1730

CONTACT: same
TYPE OF ORGANIZATION: community resource group
PURPOSE & GOALS: to find ways which will permit us to preserve and restore the environment, do without nuclear energy, cut down on consumption of fossil fuels and rediscover meaningful work
AREAS OF INTEREST: appropriate technology, fossil fuels, anti-nuclear
THINGS THEY DO: network in the Bay area; publish
SERVICES: information, referrals, consulting
PUBLICATIONS: Intermediate Technology Report, quarterly report

Interactive Resources, inc.
117 park place point richmond, ca.
(415) 236-7435 94801

CONTACT: above
ORGANIZATION SIZE: twenty
TYPE OF ORGANIZATION: architectural/engineering/consulting firm; energy management
PURPOSE & GOALS: to give the above services
AREAS OF INTEREST: solar power and energy efficient buildings, wind, wood
THINGS THEY DO: contracting specializing in solar power and other alternative energy systems; energy conservation planning; research and testing of systems; education participation at area schools
SERVICES: networking, speakers, consulting($20-35/hr.), demonstration projects, workshops and exhibits, literature, lobbying

INTERNATIONAL SOCIETY FOR GEOTHERMAL ENGINEERING *

P. O. Drawer 4743
Whittier, California 90607
(213) 699-3780

CONTACT: Edward F. Wehlage, Executive Director
ORGANIZATION SIZE: one staff member
TYPE OF ORGANIZATION: nonprofit, educational and technical organization
PURPOSE & GOALS: dedicated to the advancement of terrestial heat for useful purposes to heat people around the world
AREAS OF INTEREST: geothermal; some interest in cooling and freezing with geothermal heat
THINGS THEY DO: conducted a tutorial seminar for engineers working in geothermal; prepares technical papers; working to support studies to apply geothermal heat for freezing, comfort cooling

INTERNATIONAL SOLAR LEASING CO.

7010 Convoy Court
San Diego, California 92111
(714) 560-9173

CONTACT: Thomas Lavin
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture solar components
AREAS OF INTEREST: active dispersed and passive solar
SERVICES: manufacturing, distributing, commercial leasing
PUBLICATIONS: product brochures

KESSEL INSOLAR DESIGNS

19550 Cordelia Avenue
Sonora, California 95370
(209) 532-[illegible]96

CONTACT: Ken Kessel
ORGANIZATION SIZE: four
annual budget-$200,000
TYPE OF ORGANIZATION: design, construction, consulting, sales
PURPOSE & GOALS: to promote the use of energy efficient building by designing, constructing and retrofitting and by providing information on methods and means
AREAS OF INTEREST: solar and earth heat
THINGS THEY DO: energy efficiency evaluations, consulting, seminars, workshops and lectures, design, planning and site development
SERVICES: above

LACADRE

L.A. COMPUTER AIDED DESIGN RESEARCH
P.O. BOX 7263
VAN NUYS, CALIFORNIA 91409
TELEPHONES 213-705-8938
213-789-5966

CONTACT: Robert F. Donham
ORGANIZATION SIZE: three(more as required)
TYPE OF ORGANIZATION: consulting firm
PURPOSE & GOALS: to provide state-of-the art analytical services to designer, manufacturers and users of wind turbine generators
AREAS OF INTEREST: wind energy, aerodynamics, structural dynamics, analytical services
THINGS THEY DO: computerized analysis of theoretical and measured parameters using NASTRAN, REXOR-II Rotorcraft WT and an aerodynamic performance program--objections are to identify the stress levels, harmonic interactions, safety factors and solutions to unique problems in design or use of wind turbine systems
SERVICES: consulting and subcontracting(fees vary with project)

LIVING SYSTEMS *

Rt. 1, Box 170
Winters, California 95694
(916) 753-3033

Living Systems

CONTACT: Jonathan Hammond, Principal
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: research, consultants, architectural designers
PURPOSE & GOALS: to develop methods of living on the earth in a stable and sustainable manner
AREAS OF INTEREST: solar, conservation
THINGS THEY DO: design passive solar-heated homes and commercial buildings; prepare city planning policies and building codes; research and development of solar heating systems and other building systems
SERVICES: demonstration projects, technical and economic studies, design and planning, consulting, (varying fees), landscape architecture, home design
PUBLICATIONS: "Strategy for Energy Conservation", The Davis Energy Conservation Report

MARIN CITIZENS FOR ENERGY PLANNING(MCEP)

80 Lomita Drive
Mill Valley, California 94941
(415) 383-4231

CONTACT: Stephen Schmidt, Executive Director
ORGANIZATION SIZE: twelve plus volunteers
TYPE OF ORGANIZATION: community/citizen group
PURPOSE & GOALS: to generate community participation in energy planning and management; to promote energy education awareness
AREAS OF INTEREST: conservation, education
THINGS THEY DO: research issues appropriate to the local and regional community; education of the public for energy awareness; consulting; community energy education projects; CSA/DOE/DOL low-income weatherization program
SERVICES: consulting, research, library, workshops, speakers(as time allows), home energy audits
PUBLICATIONS: Marin Energy Examiner, (8pp.), quarterly newsletter

JAMES MELLEN CONSTRUCTION CO., INC.

1822 Virginia Street
Berkeley, California 94703
(415) 848-3576

CONTACT: Dr. James G. Mellen
ORGANIZATION SIZE: six
TYPE OF ORGANIZATION: designers/builders
AREAS OF INTEREST: passive solar homes
SERVICES: consulting ($25/hr.), speakers, design

MID-PENINSULA CONVERSION PROJECT(MPCP) and SANTA CLARA COUNTY SOLAR COALITION

867 West Dana #203
Mountain View, California 94041
(415) 968-8798

CONTACT: Dave McFadden, Denny Petrosian
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: conversion of military and nuclear industry to socially useful production and alternate energy
AREAS OF INTEREST: wind, wood, alcohol fuels, methane and other biomass, passive and active dispersed solar, photovoltaics
THINGS THEY DO: publish materials and organize around the conversion issue and solar energy
PUBLICATIONS: "The Plowshare Press", quarterly ($8/6 issues), "Creating Solar Jobs: Options for Solar Workers and Communities", a report by MPCP ($3.50), "Santa Clara County Solar Fact Book", a detailed look at Santa Clara County and solar energy (56 pages, 1980, $2)

[redacted]

NATURAL HEATING SYSTEMS *

2417 Front Street
West Sacramento, California 95691
(916) 372-2993

CONTACT: David Springer
ORGANIZATION SIZE: eight
TYPE OF ORGANIZATION: design, consulting, contracting
PURPOSE & GOALS: to design solar energy systems and contract to install them
AREAS OF INTEREST: solar, conservation, research
THINGS THEY DO: research in flat plate collector technology and radiant cooling; solar demonstration project funded by HUD; contracting in solar water, space, and pool heating
SERVICES: contracting, designing, demonstration projects, speakers, consulting($25/hr.), proposal preparation for residential solar grants

NET ENERGY, INC.

854-9th Street
Arcata, California 95521
(707) 822-5926

CONTACT: Pat Ferris, Suzanne Guerra
ORGANIZATION SIZE: nine member board of directors
125 members (1/79)
annual budget-$200,000
TYPE OF ORGANIZATION: community-based nonprofit corporation
PURPOSE & GOALS: to encourage and assist in the development of regionally appropriate technologies
AREAS OF INTEREST: energy, shelter, agriculture, waste recycling systems, community economic development
THINGS THEY DO: education, consulting, construction and networking relating to areas above
SERVICES: operates a CSA Emergency Energy Conservation Program; SUEDE solar technician training program; community education program; consulting on energy planning and community development; publications, library, slide shows
PUBLICATIONS: above and pending newsletter

NORTHCOAST ENVIRONMENTAL CENTER

1091 H Street
Arcata, California 95521
(707) 822-6918

CONTACT: Tim McKay, Coordinator
ORGANIZATION SIZE: membership-3000
annual budget-$25,000
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to provide current information to the northwestern California public on environmental issues; serve as center for other groups (Audubon Society, Sierra Club and others)
AREAS OF INTEREST: conservation, recycling, solid wastes, research

THINGS THEY DO: operate a recycling center, publish a newsletter monthly; plan further recycling in larger areas
SERVICES: workshops, literature, referrals, informal consulting
PUBLICATIONS: "Econews", monthly newsletter

NORTHERN CALIFORNIA SOLAR ENERGY ASSOCIATION

P. O. Box 1056
Mountain View, California 94042
(415) 525-7797

CONTACT: Harry Miller, President
ORGANIZATION SIZE: 1500 members
annual budget-$15,000
TYPE OF ORGANIZATION: community, local chapter of the American Section of the International Solar Energy Society
AREAS OF INTEREST: solar, photovoltaics, wind
THINGS THEY DO: plan a solar energy symposium; regular meetings of members to discuss all aspects of solar energy; tours to local solar installation
SERVICES: demonstration projects, speakers bureau, workshops and exhibits, studies, planning, library, information exchange, referrals to members for consulting services
PUBLICATIONS: newsletter, directory of members(for $10 membership fee)

OFFICE OF APPROPRIATE TECHNOLOGY

1530-10th Street
Sacramento, California 95814
(916) 445-1803

CONTACT: Janice Jacobson
ORGANIZATION SIZE: 40(including Energy Extension Service)
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to "develop technologies which are less harmful to people and the environment than the technologies of the past"; to develop and implement less costly and less energy intensive technologies and programs in the areas of waste recycling and conversion, food supply and land use, building design, and energy and water conservation
AREAS OF INTEREST: resource conservation, community development, environmental protection, renewable energy resources
THINGS THEY DO: provides information on technologies which increase self-reliance and community autonomy, and encourage conservation and the use of renewable sources of energy; provide technical assistance to state agencies
SERVICES: above, demonstration programs
PUBLICATIONS: send SASE for listing

PEOPLE AGAINST NUCLEAR POWER

944 Market Street
San Francisco, California 94102
(415) 781-5342

CONTACT: Tommy, Steve, Bob, Dennis, Dave
ORGANIZATION SIZE: six volunteers
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to oppose nuclear power and insure the development of safe, renewable energy sources through education and nonviolent direct action
AREAS OF INTEREST: all alternatives to nuclear power, renewable, clean energy sources
THINGS THEY DO: hold teach-ins, show films, lead discussions and sponsor actions focusing on Pacific Gas & Electric headquarters in San Francisco, the Vallecitos nuclear site near Pleasanton and the dump site for nuclear waste near the Farallon Islands; protest at Diablo Canyon plant
SERVICES: above, library(small), literature, films, speakers
PUBLICATIONS: publishing "It's About Times", a newsletter on Abalone Alliance activities, editorials, letters, etc.

PEOPLE GENERATING ENERGY

452 Higuera Street
San Luis Obispo, California
(805) 543-8402 94301

CONTACT: Raye, John, Kevin, Peter
ORGANIZATION SIZE: 25 active members
TYPE OF ORGANIZATION: citizen group, anti-nuclear
PURPOSE & GOALS: to educate, through nonviolent direct action, the public to the dangers of nuclear power and Diablo Canyon in particular and to stop Diablo Canyon plant from becoming radioactive; support the use of safe, clean renewable energy
AREAS OF INTEREST: nuclear power
THINGS THEY DO: above, have teach-ins, fundraisers, organize rallies, marches, fairs, civil disobedience ongoing campaigns-rate withholding
PUBLICATIONS: leaflets on problems of nukes and on alternatives

PIPER-HYDRO INC.

3031 E. Coronado
Anaheim, California 92806
(714) 630-4040

CONTACT: Jim Piper
ORGANIZATION SIZE: 25
annual budget-excess of $1 million
TYPE OF ORGANIZATION: systems supplier
PURPOSE & GOALS: to manufacture and sell energy conserving space and water heating systems with a solar input
AREAS OF INTEREST: solar hydronic space heating with domestic hot water
THINGS THEY DO: completed a 254-apartment complex(now 100% occupied)that is heated by solar; solar pool heater system; same builder is using the system in a 96-unit where cost is below conventional cost
SERVICES: workshops, demonstration projects, speakers, planning and design, consulting(fees vary)
PUBLICATIONS: write for information

THE PORTOLA INSTITUTE

485 Hamilton Avenue
Palo Alto, California 94301
(415) 323-7769

CONTACT: same
TYPE OF ORGANIZATION: research and information
PURPOSE & GOALS: to promote new and simple styles of living
THINGS THEY DO: research and education
PUBLICATIONS: Energy Primer and others; send for list

RASOR ASSOCIATES, INC.

253 Humboldt Court
Sunnyvale, California 94086
(408) 734-1622

CONTACT: H.F.Rugge, Vice-President, General Manager
ORGANIZATION SIZE: 30
TYPE OF ORGANIZATION: research and development
AREAS OF INTEREST: thermionic conversion, energy conversion, coal gasification
THINGS THEY DO: developed an experimental device using thermionic conversion for creating electric power; plan to design full-scale plant

REAL GAS & ELECTRIC COMPANY, INC.

P. O. Box F, 278 Barnham Avenue
Santa Rosa, California 95402
(707) 526-3400

CONTACT: Solomon Kagin, President
ORGANIZATION SIZE: six
annual budget-$100,000
TYPE OF ORGANIZATION: manufacturer, distributor
PURPOSE & GOALS: sales and installations of wind and solar systems
AREAS OF INTEREST: wind, solar, photovoltaics
THINGS THEY DO: work with customers to find systems to best suit their needs; Lordan Solar Panel Distributors

SERVICES: demonstrations, consulting, economic studies, feasibility studies, workshops and exhibits, turnkey installations, literature
PUBLICATIONS: "A Buyer's Guide to Wind Power" (1977, $3.50)

RHINO PUBLISHING COMPANY
ALTERNATIVE ENERGY DEVELOPMENTS

P. O. Box 3214
Thousand Oaks, California 91359
(805) 498-3770

CONTACT: Robert Reprah
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: publishing company
AREAS OF INTEREST: wind, wood, alcohol fuels, methane and other biomass, hydroelectric, solid wastes, OTEC, passive and active solar, photovoltaics, geothermal
PUBLICATIONS: Alternative Energy Developments and Alternative Energy Investor

RHO SIGMA, INC. *

11922 Valerio Street
North Hollywood, California 91605
(no phone)

CONTACT: R.J.Schlesinger, President
ORGANIZATION SIZE: sixty
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and sell solar energy controls and instrumentation
AREAS OF INTEREST: solar for manufacture, research and development
THINGS THEY DO: manufacture solar control systems
SERVICES: design
PUBLICATIONS: Engineering Data and Product Catalog-free

FRED RICE PRODUCTIONS, INC.

P. O. Box 643
LaQuinta, California 92253
(714) 564-4823

CONTACT: Fred Rice
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: research and development of both passive and active solar systems for hot water heating, space heating, air conditioning and residential and commercial buildings, solar education at a layman's level(newsletter)
AREAS OF INTEREST: passive and active dispersed solar, photovoltaics, heat pipes
THINGS THEY DO: manufacture and distribute solar water heater systems; developing a "Solar/Sonic" home which will utilize solar energy for energy and will store it for long periods
SERVICES: solar consulting on architectural projects ($50/hour), solar and energy speech called "Chaos in Energy"
PUBLICATIONS: buttons, T-shirts, "Sunergy" newsletter, quarterly($5/year)

SANTA CRUZ ALTERNATE ENERGY CO-OP

P. O. Box 66959
Scotts Valley, California 95066
(409) 426-1299

CONTACT: Brian Williams, Director
Scott Roseman, Editor
ORGANIZATION SIZE: fifteen
annual budget-$25,000
TYPE OF ORGANIZATION: public information/education
PURPOSE & GOALS: to promote the application of alternate energy sources in Santa Cruz County
AREAS OF INTEREST: renewable energy, appropriate technology, recycling
THINGS THEY DO: research of solar drying of fruits and vegetables on home scale; developing cheap anemometer for people to determine wind power potential for themselves; hoping to build complete multimedia demonstration area; door-to-door survey of energy needs
SERVICES: above, and workshops, speakers, networking, informal consulting and studies (all more or less free)
PUBLICATIONS: 8 issues/year newspaper on alternate sources of energy

SEAgroup

Solar Environmental Architecture
418 broad street nevada city california 95959 916-[illegible]

CONTACT: David Wright, AIA
Dennis A. Andrejko, AIA
ORGANIZATION SIZE: nine
TYPE OF ORGANIZATION: architectural firm
PURPOSE & GOALS: specialize in solar architecture and microclimate design; interested in exploring and solving the natural heating and cooling potential at each site
AREAS OF INTEREST: passive solar, microclimate design
THINGS THEY DO: design projects throughout the U.S.
SERVICES: basic architectural services, limited speaking tours
PUBLICATIONS: Natural Solar Architecture: a passive primer, by David Wright, Van Nostrand Reinhold Company, $15.95, $8.95

SENCENBAUGH WIND ELECTRIC *

2235 Old Middlefield Way
Mountain View, California 94043
(415) 964-1593

CONTACT: James R. Sencenbaugh, President
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture wind driven generator and meteorological instruments
AREAS OF INTEREST: wind
THINGS THEY DO: develop various models of wind driven generators
SERVICES: technical studies, demonstration projects, speakers(lecture fee open), consulting($20/hr. office time, project fee open)
PUBLICATIONS: catalog ($2), mailing list

SENSOR TECHNOLOGY, INC. *

21012 Lassen Street
Chatsworth, California 91311
(213) 882-4100

CONTACT: Fred Heim, Vice-President
ORGANIZATION SIZE: 250
annual budget-high seven figures
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture optoelectronic devices and solar panels of the photovoltaic type
AREAS OF INTEREST: photovoltaics
THINGS THEY DO: have produced solar cells for 20 years; have worked on total power systems for telecommunications site; power panels for offshore oil rigs; produce High Density Panels
SERVICES: technical studies, demonstration projects (carried out by companies distributing their products), consulting. literature
PUBLICATIONS: catalog on request

SIERRA SOLAR SYSTEMS, INC.

P. O. Box 310
Nevada City, California 95959
(916) 272-3444

CONTACT: Karl R. Stewart, Vice-President
ORGANIZATION SIZE: four
annual budget-$220,000
TYPE OF ORGANIZATION: distributor/consultants
PURPOSE & GOALS: to consult, design systems and sale of same
AREAS OF INTEREST: solar heating systems, photovoltaics, passive solar
SERVICES: speakers, workshops, exhibits, studies, consulting(fees variable)

SKYTHERM PROCESSES & ENGINEERING *

2424 Wilshire Boulevard
Los Angeles, California 90057
(213) 389-2300

CONTACT: Harold R. Hay
TYPE OF ORGANIZATION: inventor
PURPOSE & GOALS: invention and development of low-cost natural air-conditioning systems and their adoption on a worldwide basis through publication, lobbying, consulting, advising on design, broadening acceptance of alternative energy
AREAS OF INTEREST: solar, reradiation(nocturnal cooling)
THINGS HE DOES: has invented processes and products for wood preservation, water purification, solar heating and nocturnal cooling system
SERVICES: demonstration projects, speaker, technical studies, library, design of solar stills, industrial water heating systems, lobbying, literature
PUBLICATIONS: sold in packets-articles on Skytherm Solar Energy, Solar Power, and Pollution, solar radiation, solar stills(send SASE for listing)

SOLAR CLIME DESIGNS

Box 9955
Stanford, California 94305
(415) 321-9953

CONTACT: Jim Berk
ORGANIZATION SIZE: one
annual budget-$20,000
TYPE OF ORGANIZATION: energy/habitat consultant/teacher
PURPOSE & GOALS: to offer consulting and advice on habitat design and energy analysis
AREAS OF INTEREST: all alternative energy technologies, human habitat, non-industrial, commercial, transportation
THINGS THEY DO: energy analysis consultation of homes and lifestyles, publish newsletter
SERVICES: analyses, consulting, research and development, drafting, budgeting(for new, retrofit or do-it-yourself projects)

SOLAR ENERGY DIGEST

P. O. Box 17776
San Diego, California 92117
(714) 277-2980

CONTACT: William B. Edmondson, Editor/Publisher
ORGANIZATION SIZE: man/wife team, free-lance
annual budget-$100,000
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: to gather and publish solar energy news in an attempt to make America energy independent
AREAS OF INTEREST: all forms of solar energy
THINGS THEY DO: magazine covers all aspects of solar energy; plans being made to develop an independent solar home and concentrating collectors of large size
SERVICES: illustrated newsletter/magazine, Solar Energy Research Center does research and development on solar
PUBLICATIONS: "Digest" ($35.00/year; $2.00 sample)

SOLAR HOMES, INC.

964 Indian Rock Ave.
Berkeley, California 94707
(415) 524-5549

CONTACT: M. C. Nolan, Secretary
PURPOSE & GOALS: to promote and develop Solar factory built homes (Mobiles) with running gear removed after delivery and put on permanent foundations with basement on cheap land owned by the occupant; plan to market their Solar Tracking device in connection with the DIY development program by retired couples anywhere in the U.S. and Canada
THINGS THEY DO: marketing the low cost Solar Tracking Devices for retired groups

SOLAR RESEARCH SYSTEMS

3001 Redhill Avenue, I-105
Costa Mesa. California 92626
(714) 545-4941

CONTACT: Dr. J. Farber
ORGANIZATION SIZE: fifteen
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture low temperature plastic solar collectors and accessories
AREAS OF INTEREST: active dispersed solar
SERVICES: applications to solar swimming pools and spa heating, solar assisted heat pump and industrial applications

SOLAR-TRONICS, INC.

31149 Via Colinas, #608
Westlake Village, California 91361
(213) 991-3200

CONTACT: Bruce Brende
TYPE OF ORGANIZATION: retailer/wholesaler, designer and installer of solar systems
AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: full line distributor of solar energy components

SOLARC, SOLAR ENERGY IN ARCHITECTURE *

P. O. Box 18024
Irvine, California 92713
(714) 552-9253 or 549-1362

CONTACT: James F. Carlson, Partner
Quinton M. Bradley, Partner
ORGANIZATION SIZE: two
annual budget-$10,000(sales)
TYPE OF ORGANIZATION: design, research and consulting
PURPOSE & GOALS: to provide continued service to architects, designers, laymen and homeowners through publications, research and consultation
AREAS OF INTEREST: all solar
THINGS THEY DO: design solar homes
SERVICES: literature, projects, consulting
PUBLICATIONS: "Solar Primer One"($10.25ppd), a manual of solar energy use in architecture; others, too

SONO PUBLISHERS *

554 North Arden Boulevard
Los Angeles, California 90004
(213) 467-3597

CONTACT: Glenn D. James
ORGANIZATION SIZE: two
annual budget-$2,000
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: to help individuals and recommend research
AREAS OF INTEREST: use of arctic cold with ocean heat; ocean wind-wave power; some solar and wind
THINGS THEY DO: developed a high labor, low-cost water and air heater for do-it-yourselfers; planning to build inexpensive solar system in the home
SERVICES: will do technical studies, speaking, consulting(fees negotiable), will answer requests about his book
PUBLICATIONS: "Energy Potpourri: Ideas fo Today and Tomorrow"($8.80)

SOUTHERN CALIFORNIA EDISON COMPANY

Research and Development
Post Office Box 800
Rosemead, California 91770
(213) 572-1099

ORGANIZATION SIZE: 71
TYPE OF ORGANIZATION: utility
PURPOSE & GOALS: research and development related to: resource conservation, environmental assessment, emissions reductions, conventional energy sources, unconventional energy sources, energy management and energy transport
THINGS THEY DO: DOE grant for first electric generating station powered by solar power; wind power generation demonstration, geothermal power generation demonstration, energy wastes from bioconversion, assessment of blow-down irrigation systems, fuel cell developments, MHD research, etc.
SERVICES: speakers, workshops, exhibits, films, literature, educational materials, slide shows
PUBLICATIONS: "R&D Newsletter", films, brochures

SOUTHERN CALIFORNIA INSTITUTE OF ARCHITECTURE(SCI-ARC) *

1800 Berkeley Street
Santa Monica, California 90404
(213) 823-2696

CONTACT: Terry Rainey, Alternative Energy Coordinator for the school's AIA chapter
ORGANIZATION SIZE: three staff
TYPE OF ORGANIZATION: private school
PURPOSE & GOALS: AIA student chapter is a blanket organization providing services to the students at a school of architecture; SCI-ARC gathers and circulates alternative energy information to other architectural schools in southern California
AREAS OF INTEREST: solar, conservation, wind, hydroelectric and solid wastes
THINGS THEY DO: converted an Air Force missles carrier into a trailer to transport a windmill-trailer acts as a base for the tower which is converted from an hydraulic building maintenance lift by ballymore-entered as an exhibit at Habitat; plans are complete for contructing a rural, self-sufficient cabin with integrated systems
SERVICES: networking, consulting, preferably to architectural students

SOUTHERN CALIFORNIA SOLAR ENERGY ASSOCIATION *

202 C Street, 11B
San Diego, California 92101
(714) 236-0432

CONTACT: John Brand, President
Ildiko Demeter, Editor
ORGANIZATION SIZE: 16 part-time, three full-time
annual budget-$15 - 60,000
TYPE OF ORGANIZATION: trade association, community group, educational association
PURPOSE & GOALS: to provide education services to local individuals and organizations interested in solar energy information and related activities
AREAS OF INTEREST: solar
THINGS THEY DO: are local chapter of the International Solar Energy Society; hold monthly educational meetings, special conferences, resource center
SERVICES: above, speakers bureau, directories, library and information services, educational programs, exhibits and symposiums, membership
PUBLICATIONS: "Solarscope", quarterly newsletter, Sun*Up, 24-page monthly newsletter; Solar Hot Water Handbook-send for complete listing

STANFORD RESEARCH INSTITUTE, ENERGY CENTER *

333 Ravenswood Avenue
Menlo Park, California 94025
(415) 236-6200

CONTACT: John P. Henry, Director, Energy Center
Margaret A. Carroll, Energy Information
ORGANIZATION SIZE: 48
annual budget-$3 million
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to conduct research for industry and government
AREAS OF INTEREST: energy supply, conservation, combustion, hydrogen, solid wastes, alternative auto fuels
THINGS THEY DO: research projects in the above fields; appraisal of energy resources in foreign countries; projects on solar and nuclear power
SERVICES: consulting, economic and technical studies, library (varying costs for all of these)
PUBLICATIONS: "Energy Economics Newsletter"

STOREFRONT CLASSROOM UTOPIAN COMMUNITY *

P. O. Box 1174
San Francisco, California 94101
(415) 566-5640

CONTACT: Delv Greisel
ORGANIZATION SIZE: eight
annual budget-$20,000
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to construct a utopian community of 30,000 members
AREAS OF INTEREST: photovoltaics, hydroelectric, wood and some wind
THINGS THEY DO: have a demonstration ecovillage; include soft technology(local energy sources), videodisk learning
SERVICES: networking, consulting, workshops
PUBLICATIONS: Utopian Eyes, quarterly magazine($5/yr.)

SUNRAE INC., SOLAR USAGE NOW FOR RESOURCES AND EMPLOYMENT

5679 Hollister Avenue
Goleta, California 93017
(805) 964-4483

CONTACT: Ed Maschke, Alan Mirviss(916-756-6170)
ORGANIZATION SIZE: eight full-time, 2 part-time
annual budget-$100,000
TYPE OF ORGANIZATION: citizen group, solar advocacy group
PURPOSE & GOALS: to accelerate the use of solar energy through the political process
AREAS OF INTEREST: passive and active dispersed solar, solid wastes, photovoltaics, utilities, oil/natural gas, recycling center
THINGS THEY DO: have organized Sun Day activities in Sacramento for three years, and again in 1979; continue legislative efforts--on ordinances mandating solar assist systems for pools, and homes serviced by electricity or natural gas
SERVICES: slide show which illustrates use of solar systems in practice; hands-on workshops for passive systems: thermosyphon, bread box water heater, and greenhouse; speakers, lobbying, education
PUBLICATIONS: Workshop Manual describes assessment and assembly for solar systems, specifically a thermosyphon, greenhouse and bread-box water heater($5); newsletter(with membership-$15 or $5 senior/student)

SUNTEK RESEARCH ASSOCIATES

500 Tamal Vista Boulevard
Suite 500
Corte Madera, California 94925
(415) 924-6887

CONTACT: same
ORGANIZATION SIZE: nine staff
TYPE OF ORGANIZATION: research and development of energy materials
PURPOSE & GOALS: developing and researching advanced materials in solar and energy conservation technologies
AREAS OF INTEREST: high-temperature solar and other forms of solar energy
THINGS THEY DO: development of "cloud-gel" thermally-sensitive optical shutter, a material which changes from clear to opaque at a pre-set temperature for use in windows, skylights, greenhouses, etc.; development of a "solar membrane" transparent insulation; other developments of solar materials

UNIVERSITY OF CALIFORNIA *

Division of Extended Learning
Energy Extension Service
Davis, California 95616
(916) 752-0858

CONTACT: Richard Dorf, Jan Hamrin
TYPE OF ORGANIZATION: university
PURPOSE & GOALS: to work with public agencies and individuals for extending the resources of the university
AREAS OF INTEREST: conservation, methane, photovoltaics solar, solid wastes
THINGS THEY DO: sponsored "small is beautiful" conference in 1977
SERVICES: demonstration projects, networking, courses, speakers, workshops, and exhibits(fees)

THE VILLAGE *

2417 Bucklebury Road
Davis, California 95616
(916) 756-5941

CONTACT: Mike and Judy Corbett, Developers
ORGANIZATION SIZE: nine
TYPE OF ORGANIZATION: builders, developers
PURPOSE & GOALS: to conserve energy and natural resources and to develop a sense of community within a 280-unit neighborhood
AREAS OF INTEREST: self-sufficiency, solar heating and cooling, wood, composting, water conservation, participatory planning and management
THINGS THEY DO: user participation in community planning and management; community owned agricultural lands, lots developed with southern exposure; emphasis on foot and bicycle paths, solar space and water heating, natural cooling, recycling runoff water, community composting
SERVICES: newsletter for residents, research projects, demonstration projects, lectures

WIND ENERGY SOCIETY OF AMERICA *

1700 East Walnut
Pasadena, California 91106
(213) 766-3644

CONTACT: James C. Ranck, Executive Secretary
ORGANIZATION SIZE: two
annual budget-$2,000
TYPE OF ORGANIZATION: technical society
PURPOSE & GOALS: to coordinate and provide information in wind energy development and research
AREAS OF INTEREST: wind energy
THINGS THEY DO: present conferences on wind power; scholarship awards, symposia
SERVICES: workshops, library, technical studies, literature
PUBLICATIONS: has a bibliography on wind power, newsletter

WY-WAY LANDSCAPE *

2744 San Joaquin Hills Road
Corona del Mar, California 92625
(714) 644-8337

CONTACT: Jim Pyle, Owner
ORGANIZATION SIZE: four to five staff
TYPE OF ORGANIZATION: construction and design
PURPOSE & GOALS: to work with wood, stone, leaf, water, soil and people to design and develop alternatives to suburban "stamp-out" homes; "to place housing into the landscape rather than to place the landscape around the housing"
AREAS OF INTEREST: wood, solar, wind, methane, solid wastes and composting
THINGS THEY DO: work in ornamental horticulture; will be developing ranch estates with emphasis on sewage composting, water recycling, and solar, methane technologies
SERVICES: consulting(fees determined by project), economic studies, workshops, library, speakers

Colorado

SOLAR
UTILIZATION
NEWS

ALTERNATE ENERGY INSTITUTE

P. O. Box 3100
Estes Park, Colorado 80517
(303) 586-5636

CONTACT: Arthur Anderson, Executive Director/Editor
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: to disseminate information about alternate energy sources
AREAS OF INTEREST: solar, photovoltaics, wind and other alternative energy areas
THINGS THEY DO: publish monthly newsletter; plant to write and produce a 5-minute solar radio program
SERVICES: library, workshops, data bank, referrals
PUBLICATIONS: "Solar Utilization News", monthly newsletter on solar energy projects, patents and publications ($10/year, individuals; $15/year, institutions and commercial library subscriptions); "Reveille: Wake Up America", bimonthly report on synthetic fuels and their environmental effects, biomass, hydrogen, etc. ($15/year)

ALTERNATE ENERGY SOCIETY OF PUEBLO(AESOP)

4303 Rawhide Road
Pueblo, Colorado 81008
(303) 542-8906

CONTACT: R. Lane Maxwell
ORGANIZATION SIZE: six
annual budget-undetermined-new
TYPE OF ORGANIZATION: nonprofit citizen group
PURPOSE & GOALS: provides a central meeting place for people involved in all forms of solar energy and alternative energies
AREAS OF INTEREST: passive solar, active dispersed solar, photovoltaics, wind, wood, methane
THINGS THEY DO: plan to conduct workshops and field trips and to have one educational topic covered at each meeting; new organization so just planning stages now

American
Heliothermal
corporation
2625 South Santa Fe Drive
Denver, Colorado 80223

(303) 778-0650

CONTACT: David Frenkel, Vice-President
ORGANIZATION SIZE: 50
TYPE OF ORGANIZATION: manufacturer
AREAS OF INTEREST: solar
THINGS THEY DO: supply collectors, systems, domestic hot-water systems
SERVICES: demonstration projects, information, solar home plans

ROBERT H. BUSHNELL *

502 Ord Drive
Boulder, Colorado 80303
(303) 494-7421

CONTACT: same
TYPE OF ORGANIZATION: consultant
PURPOSE & GOALS: in solar energy-to provide engineering design services for residential and commercial heating; to provide climate studies for solar heating
AREAS OF INTEREST: conservation, solar, climatology
THINGS HE DOES: six solar heat projects completed; development of climatological temperature distribution and design method; development of dampers for air-type solar heat systems which do not leak
SERVICES: consulting($30/hr.), engineering services, translation (Russian to English) of solar energy, radiation and meteorology materials($30/1000 words)

COLORADO ENERGY RESEARCH INSTITUTE

Colorado School of Mines
Campus Box 154
Golden, Colorado 80401
(303) 279-2881

CONTACT: Martin Robbins, Director
ORGANIZATION SIZE: eight
annual budget-$1.25 million
TYPE OF ORGANIZATION: state research institute
PURPOSE & GOALS: to provide independent and timely research information to the executive and legislative branches of Colorado government on energy-related matters.

AREAS OF INTEREST: solar/wind, fossil fuels, biomass, nuclear, methane, hydrogen
THINGS THEY DO: conduct studies and research in four general areas: energy resource development, energy conservation, energy impact analysis and mitigation, and energy information; administers a state-funded program of scholarships, internships and fellowships for Colorado residents pursuing study in energy-related fields
SERVICES: studies, research publications; funding and speakers
PUBLICATIONS: various books, pamphlets on fossil fuels, energy resources in Colorado

COLORADO OFFICE OF ENERGY CONSERVATION

1600 Downing Street-2nd floor
Denver, Colorado 80218
(303) 839-2507

CONTACT: Ms. Peggy Wren
ORGANIZATION SIZE: 26
TYPE OF ORGANIZATION: government(state) agency
PURPOSE & GOALS: to serve as a central point for informational, policy, planning and operational aspects of energy and energy conservation in Colorado; implementation and administration of Colorado's State Energy Conservation Plan
AREAS OF INTEREST: all energy-especially renewable energy technologies, utilities
THINGS THEY DO: publish materials and provide information to the public, outreach, analysis of state energy policy and programs, residential weatherization programs, set building and conservation standards
SERVICES: publications, energy hotline, community organization projects, speakers, exhibits, fairs, workshops, educational programs, TV shows
PUBLICATIONS: "Energy Scorecard"-distributed 400,000 copies to enable residents to calculate their own energy consumption; insulation consumer guide; energynote fact sheets; slide/tape shows-write for more information

COLORADO SOLAR ENERGY ASSOCIATION

P. O. Box 5272, Terminal Annex
Denver, Colorado 80206

The Solar Bookstore
2239 East Colfax
Denver, Colorado 80206

CONTACT: Rachel Snyder, President
Nancy Carlisle, Vice President
Angela Treinen, Coordinator, Bookstore
ORGANIZATION SIZE: 350
TYPE OF ORGANIZATION: citizen group; chapter of International Solar Energy Society
PURPOSE & GOALS: to gather and disseminate information about solar energy and energy conservation; to conduct educational seminars; to review and report on standards for solar
AREAS OF INTEREST: solar for heating and cooling; wind, conservation, bioconversion
THINGS THEY DO: workshops, meetings, tours, consulting (by individual members), run the Bookstore
PUBLICATIONS: Nexus, monthly newsletter; membership fee: $10/student, $15/individual, $20/household, $50/corporate

EDUCATIONAL MEDIA CENTER

University of Colorado
Stadium 360
Boulder, Colorado 80309
(303) 492-7341

CONTACT: Elwood E. Miller, Dan Niemeyer
ORGANIZATION SIZE: 29
annual budget-varies
TYPE OF ORGANIZATION: university continuing education group
PURPOSE & GOALS: to increase alternative energy literacy
AREAS OF INTEREST: informational and instructional materials
THINGS THEY DO: produced a nine-title 16mm color film series: "Energy Sources- A Matter of Policy", "Geothermal Power- The Great Furnace", "The Sleeping Giant-Coal", "Solar Power-The Giver of Life", "Wind Power-The Great Revival", "Oil Shale-The Rock that Burns", "Tar Sands-Future Fuel", "Nuclear Gas Stimulation", "Nuclear Energy-Help or Hazard"; produced an audio-cassette/filmstrip package on energy sources; sponsor conferences, handles study guides and publications on energy topics
SERVICES: conferences, courses, films, literature, informal consulting
PUBLICATIONS: literature-free catalog of materials

ENVIRONMENTAL ACTION REPRINT SERVICE(EARS)

Box 545
La Veta, Colorado 81055
(303) 742-3221

CONTACT: staff
ORGANIZATION SIZE: four
annual budget-$75,000
TYPE OF ORGANIZATION: mail order bookstore, networking, clearinghouse
PURPOSE & GOALS: to provide a centralized source of accurate, well-written information on the hazards of nuclear energy and the feasibility of alternative sources of energy

EARS

AREAS OF INTEREST: conservation, all forms of solar, wind, anti-nuclear, solid wastes, wood, photovoltaics, methane
THINGS THEY DO: promote alternative energy through distribution of materials; produced a Solar Directory(1974),Directory of Nuclear Activists(1975), developed a mailing list of over 10,000 names
SERVICES: library, networking, literature, films, referrals
PUBLICATIONS: EARS Energy Catalog(current issue is #12), books, directories, reprints, graphic materials, T-shirts

FISHER'S *

Rt. 1, Box 63
Conifer, Colorado 80433
(no phone)

CONTACT: John Fisher, President
ORGANIZATION SIZE: three
annual budget-$10,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and sell wood stove kits and offer related items
AREAS OF INTEREST: fossil fuels, wood, solar
THINGS THEY DO: send kits anywhere, with complete instructions
SERVICES: instructions, literature, complete refund if not satisfied
PUBLICATIONS: brochure and sales literature($1)

INTERNATIONAL SOLARTHERMICS CORPORATION *

Box 397
Nederland, Colorado 80466
(303) 258-3272

CONTACT: same
TYPE OF ORGANIZATION: publisher
AREAS OF INTEREST: solar
THINGS THEY DO: publish a number of directories to solar equipment manufacturers
SERVICES: resource/referrals, consulting, literature
PUBLICATIONS: Solar Journal, monthly; "Specifications and Performance Handbook", guide on backyard solar furnaces

INTERNATIONAL SUNMASTER, INC. *

P. O. Box 129
Colorado Springs, Colorado 80901
(303) 598-0200

CONTACT: Tom J. Forster, President
ORGANIZATION SIZE: annual budget-$50,000
TYPE OF ORGANIZATION: engineering firm
PURPOSE & GOALS: to "accelerate both energy conservation methods and the application of solar energy technology to meet the challenge of today's energy crisis"
AREAS OF INTEREST: conservation, solar, recovery systems(waste heat, water, chemicals)
THINGS THEY DO: offer engineering services in the fields of energy conservation and alternate energy sources
SERVICES: engineering services, design, product research and development in solar energy; concept/feasibility studies; system management, consulting, demonstration projects

JOINT VENTURE, INC. *

1406 Pearl Street
Boulder, Colorado 80302
(303) 444-1752

CONTACT: Phillip J. Tabb, Principal Architect
Alan Brown, Principal Architect
Roland Hower, Principal Architect
ORGANIZATION SIZE: eight full-time
annual budget-$3 million-construction volume
TYPE OF ORGANIZATION: architectural corporation
PURPOSE & GOALS: energy/people oriented architecture; heavy user participation in alternative energy architecture-any building types
AREAS OF INTEREST: solar(passive and active), conservation, creative design, renovation, architectural graphics
THINGS THEY DO: designed Celestial Seasonings Herb Teas, Inc.,19th Street Solar Housing, National Headquarters for the Rolf Institute
SERVICES: speakers, demonstration projects, planning, programming, feasibility studies, consulting($35/hr.), full service architecture
PUBLICATIONS: "Here Comes the Sun-1981"($12), "Integrated Life Support Systems"($8)

JAN F. KREIDER & ASSOCIATES

1455 Oak Circle
Boulder, Colorado 80302
(303) 447-2218

CONTACT: Dr. Jan F. Kreider, President
ORGANIZATION SIZE: one staff
TYPE OF ORGANIZATION: consulting firm
PURPOSE & GOALS: to provide consultation services for engineers, planners and architects in the field of solar energy
AREAS OF INTEREST: solar
THINGS THEY DO: short solar courses offered once a month; participated in the development of the largest solar heating system in the world and the first multi-family residence to be heated by a concentrator; several dozen other projects
SERVICES: consulting($350/day base rate), workshops, exhibits, technical and economic studies, demonstration projects, grant proposal writing

LANE MAXWELL ENTERPRISES

4303 Rawhide Road
Pueblo, Colorado 81008
(303) 542-8906

CONTACT: R. Lane Maxwell, P.E.
ORGANIZATION SIZE: one
annual budget-$10,000
TYPE OF ORGANIZATION: manufacturer, retailer
PURPOSE & GOALS: alternate energy design, engineering, sales, and installation; to manufacture air handlers for air-type solar systems and a multi-purpose tank for liquid systems
AREAS OF INTEREST: passive solar, active dispersed solar, wind
THINGS HE DOES: designed and constructed three air-type systems, three liquid type systems and three solar augmented heat pump systems; sized several systems for do-it-yourselfers; teaches an adult evening solar course
SERVICES: consulting($15/year), speaking, workshops (fees per job)
PUBLICATIONS: solar class notes(non-technical level, full 32-hour class)

ROARING FORK RESOURCE CENTER *

P. O. Box 8845
Aspen, Colorado 81611
(303) 925-8885

CONTACT: Gail Weinberg, Director of Education
ORGANIZATION SIZE: eight
annual budget-$10,000
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to promote, direct and develop opportunities related to the exploration of alternative energy sources and design considerations through education and contributing to the most efficient use of natural resources
AREAS OF INTEREST: solar, solid wastes, biconversion, photovoltaics, design, conservation
THINGS THEY DO: working on sunlouver design for solar community greenhouse, ongoing energy experiments, weatherization programs, annual Aspen Energy Forum, sponsor classes
SERVICES: speakers, library, exhibits, workshops, networking, consulting, classes(most free)
PUBLICATIONS: Quarterly Sunjournal($10/yr.)

SOLAR ENERGY

SOLAR ENERGY APPLICATIONS LABORATORY

Colorado State University
Fort Collins, Colorado 80523
(303) 491-8617

CONTACT: Dr. S. Karaki
TYPE OF ORGANIZATION: university research group
PURPOSE & GOALS: to develop solar applications
THINGS THEY DO: conduct research, studies on solar, water, air and wind electrical generation; CSU offers course in design and installation of solar systems; project Solar House
SERVICES: literature, studies, consulting, courses
PUBLICATIONS: reports and studies-send for listing

SOLAR ENERGY RESEARCH INSTITUTE

Institutional and Environmental Assessment Branch
Analysis and Assessment Division
1536 Cole Boulevard
Golden, Colorado 80401
(303) 231-1048

SERI

CONTACT: Bob Odland, Branch Chief
ORGANIZATION SIZE: twelve
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: analysis and assessment division performs the analytical investigations required to support the development of national solar energy program plans and strategies; the institutional and environmental branch studies the environmental, institutional, and social factors that influence the utilization of solar technologies
AREAS OF INTEREST: wind, wood, alcohol fuels, methane and other biomass, hydroelectric, passive and active dispersed solar, photovoltaics, utilities, institutional, environmental, social and legal issues
THINGS THEY DO: decentralized energy studies--developing a framework for analysis of decentralized systems and identifying research priorities for issues including land use planning, management, and ownership options,and local political environment; other tasks dealing with the environmental impacts of solar technologies: labor, manpower, and training requirements, social costs and benefits
SERVICES: participation in conferences, distribution of publications
PUBLICATIONS: send for list from Documents Division, SERI, at the address above

SOLARON CORPORATION

Solar Energy Systems
300 Galleria Tower
720 South Colorado Boulevard
Denver, Colorado 80222
(303) 759-0101

CONTACT: John Meeker, Mgr., Engineering Services
ORGANIZATION SIZE: 30
AREAS OF INTEREST: solar for heating systems
THINGS THEY DO: manufacture and design systems for residential, commercial, industrial and agricultural uses; sell and install through distributors

SUN BIRD
ENTERPRISES
P.O. BOX 1108
FRUITA, COLORADO 81521
(303) 242-2851

CONTACT: Frank W. Bird
TYPE OF ORGANIZATION: retailer
AREAS OF INTEREST: active dispersed solar

WELD COUNTY DIVISION OF HUMAN RESOURCES

P. O. Box 1805
Greeley, Colorado 80632
(303) 351-6100

CONTACT: Mark Yurman, Weatherization Coordinator
ORGANIZATION SIZE: human resources-about 80
annual budget-varies-$2-4 million
TYPE OF ORGANIZATION: government agency
PURPOSE & GOALS: to help the needy and disadvantaged people by providing human services to all ages
AREAS OF INTEREST: weatherization department only-passive solar, oil/natural gas
THINGS THEY DO: installation of attic insulation, storm windows and storm doors and other repairs to reduce energy consumption
SERVICES: deal directly with the public in providing services

ZIA ASSOCIATES, INC.

1830 N. 55th Street
Boulder, Colorado 80301
(303) 449-9170

CONTACT: John Eric Anderson, President
Joanne Brown, General Manager
ORGANIZATION SIZE: fifteen
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to design, develop and manufacture energy conserving products
AREAS OF INTEREST: power conversion for high efficiency, solid-state ballasts
THINGS THEY DO: design and provide subsequent manufacturing controls; develop high-efficiency regulators; design and manufacture solid-state ballasts for HPS lamps
SERVICES: professional consulting($12-50/hr.), contract design and manufacturing, economic and technical studies

Connecticut

ALTERNATIVE ENERGY SYSTEMS *

242 Copse Road
Madison, Connecticut 06443
(203) 245-9068

CONTACT: Les Auerbach
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: consultant, manufacturer, research institute
PURPOSE & GOALS: construction of methane generator, sale of same, consulting
AREAS OF INTEREST: methane, wind, bioconversion
THINGS HE DOES: promotes wind, methane and sun systems; hopes to have municipal utilities of these systems
SERVICES: speaker, consulting($225/day, $35/hr.-4 hour minimum), demonstration projects,networking, literature
PUBLICATIONS: "A Homesite Power Unit: Methane Generator"($5.40)

CENTER FOR FARM & FOOD RESEARCH, INC.

Box 88
Falls Village, Connecticut 06031

CONTACT: Dr. Lucille Sadwith
TYPE OF ORGANIZATION: nonprofit, tax-exempt research and education, with general membership
PURPOSE & GOALS: to deal with problems of food production and distribution; to initiate changes in the present system and to design alternative systems that respect the integrity of the natural and human environment
AREAS OF INTEREST: food policy, food and energy, nonpolluting agricultural methods, new distribution systems, international food issues
THINGS THEY DO: publish position papers and reports; conduct research projects and educational programs
SERVICES: library, lecture and consulting bureau, publications
PUBLICATIONS: list furnished upon request

CORBIN-GENTRY, INC. *

40 Maple Street
Somersville, Connecticut 06072
(203) 749-2238

CONTACT: Al Simmons, Sales Manager
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and sell their products which include electric motorcycles and VW, Chevy, Chevette conversion kits
AREAS OF INTEREST: electric power
THINGS THEY DO: sell and distribute kits
SERVICES: consulting($40/hr.)
PUBLICATIONS: free brochures

EARTH METABOLIC DESIGN, INC. *

2016 Yale Station
New Haven,Connecticut 06521
(203) 776-4921

CONTACT: Howard Brown, Executive Director
Geoffrey Hoare, Educational Coordinator
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: community research group; planning and design group
PURPOSE & GOALS: to use the application of the principles and methods of science to the design of our total environment
AREAS OF INTEREST: all areas of energy as related to design and conservation
THINGS THEY DO: conduct design and studies program; weekly seminars; hold World Game Workshops-annual workshop on design and long-range planning
SERVICES: demonstration projects, speakers, consulting (as time and staff allow), technical studies, networking
PUBLICATIONS: educational materials-send SASE for list

THE FUTURES GROUP *

124 Hebron Avenue
Glastonbury, Connecticut 06033
(203) 633-3501

CONTACT: Lillian Deitch, Corporate Secretary
ORGANIZATION SIZE: fifty staff
TYPE OF ORGANIZATION: consulting/research firm
PURPOSE & GOALS: to provide management consulting and research services to aid in long-range planning of private businesses and government agencies
AREAS OF INTEREST: technology assessment of geothermal energy; waste heat use
THINGS THEY DO: study for the use of geothermal energy in agribusiness, forecasting studies for electric utilities, completed a major study of energy supply and demand for a large corporation
SERVICES: technical and economic studies on contract basis
PUBLICATIONS: available from National Technical Information Service, Washington, D.C.

J.C. HALBROOKS

RFD Box 106b
Sterling, Connecticut 06377
(203) 564-2386

CONTACT: same
PURPOSE & GOALS: to develop a lower cost home that is 100% solar heated without oil or electric backup; to develop onsite energy generation means to supply household
AREAS OF INTEREST: passive solar, wind, alcohol fuels, hydrogen, underground(earth sheltered) home construction
THINGS HE DOES: building earth-sheltered home using different construction techniques; study project underway to develop energy sources to furnish home energy needs(not connected to the electric utility)
SERVICES: house design review, house economic review (payback; how to build better and cheaper)-free to small charges

INTERNATIONAL ENVIRONMENT CORPORATION *

83 South Water Street
Greenwich, Connecticut 06830
(203) 531-4490

CONTACT: Richard D. Rothschild
Richard H. Kiley
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture reliable, high-efficiency solar collectors and solar domestic hot water systems for residential, commercial, industrial and institutional use
AREAS OF INTEREST: solar
THINGS THEY DO: have manufactured solar collectors to over 20 projects including retrofit of a rowhouse in Philadelphia; collectors for Belgian government, University of Delaware; have approximately 75 distributors
SERVICES: literature, speakers, design, marketing consultation($75/hr., $250/day), all available from distributors

NSC

National Solar Corporation

330 Boston Post Road, Box C
Old Saybrook, Ct. 06475
(203) 388-0834

CONTACT: Anthony Easton, President
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to design and install complete solar systems; to manufacture flat plate hot water solar collectors for industrial/residential applications
AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: install turnkey industrial/commercial solar hot water and space heating systems; install same for residential applications
SERVICES: consulting, design complete systems
PUBLICATIONS: none available yet

NEW ENGLAND RESEARCH APPLICATION CENTER

(University of Connecticut)
Mansfield Professional Center
Storrs, Connecticut 06268
(203) 486-4533

CONTACT: Daniel U. Wilde, Director
ORGANIZATION SIZE: 65 staff
annual budget-$2 million
TYPE OF ORGANIZATION: university research institute
PURPOSE & GOALS: to provide information and technical services to a variety of scientific/technical problems
AREAS OF INTEREST: low-temperature solar, photovoltaic cells, some wind and conservation
THINGS THEY DO: search 80 in-home data bases with their computer
SERVICES: speakers, workshops, literature, demonstration projects

OFFICE OF POLICY AND MANAGEMENT

State of Connecticut
80 Washington Street
Hartford, Connecticut 06115
(203) 566-2800

CONTACT: Thomas Fitzpatrick, Undersecretary for Energy
ORGANIZATION SIZE: 46
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: Energy Division-administration of state energy policy(supply/demand forecasting); encouragement of conservation; dissemination of information to public
AREAS OF INTEREST: conservation planning, energy policy development, solar, education
SERVICES: consulting on informal basis, demonstration projects, speakers, workshops, exhibits

PEOPLE FOR ECONOMIC AND SOCIAL ACTION

P. O. Box 439
Kensington, Connecticut 06037

CONTACT: David L. DeWolfe
ORGANIZATION SIZE: several
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: war resistance/anti-nuclear
AREAS OF INTEREST: as above
THINGS THEY DO: non-violent/direct action civil disobedience

PEOPLE'S ACTION FOR CLEAN ENERGY(PACE) *

P. O. Box 563
Middletown, Connecticut 06457
(203) 347-5725

CONTACT: Paul Gionfriddo, President
ORGANIZATION SIZE: no paid staff, 6 local chapters
annual budget-$3,000
TYPE OF ORGANIZATION: citizen, educational group
PURPOSE & GOALS: to oppose the spread of nuclear power; to encourage the development of alternative forms of energy production, especially from the sun and to promote conservation
AREAS OF INTEREST: anti-nuclear, conservation, solar
THINGS THEY DO: have local chapters, publish newsletter and sponsor media events; member of other anti-nuclear groups
SERVICES: library, speakers
PUBLICATIONS: newsletter(3 times per year, $1/yr.)

PEOPLE'S ACTION FOR CLEAN ENERGY(PACE)

Farmington Valley Chapter
P. O. Box 62
Canton, Connecticut 06019
(203) 693-4377

CONTACT: Judi Friedman, Chairperson
(101 Lawton Rd., Canton)
ORGANIZATION SIZE: volunteer(150 members)
annual budget-$2,000
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to educate people about conservation and alternative energy and the dangers of nuclear energy
AREAS OF INTEREST: solar, conservation, anti-nuclear, wind, wood, hydroelectric, environmental protection mental protection
THINGS THEY DO: have sponsored a house tour of alternative energy homes in the area; newsletter publishing; speaking at legislative hearings and to PUCA, film programs, books to libraries/schools
SERVICES: speakers, literature, films, workshops, exhibits(asking $5 annual dues for services)

SOLAR INDUSTRIES, INC.

Rt. 6 & Burr Road
P. O. Box 303
Plymouth, Connecticut 06782
(203) 283-0223

CONTACT: Andreas Duus, Jr., President
TYPE OF ORGANIZATION: manufacturer/distributor
PURPOSE & GOALS: manufacture high performance evacuated tube solar collectors for industrial and commercial process heating, absorption cooling and baseboard hot water heating
AREAS OF INTEREST: any appliation requiring higher temperatures(t0 350 F) from a fixed collector
THINGS THEY DO: sell collectors and systems for domestic hot water, space heating and cooling and for process heat application
SERVICES: speakers, exhibits, demonstration projects and consulting

SUNSEARCH, INC.

P. O. Box 275
Guilford, Connecticut 06437
(203) 453-6591

CONTACT: Everett M. Barber, Jr., President
ORGANIZATION SIZE: six
annual budget-$180,000
TYPE OF ORGANIZATION: research company
PURPOSE & GOALS: to research, develop and test hardware and software for the direct conversion of solar energy for heating
AREAS OF INTEREST: solar, conservation
THINGS THEY DO: have completed a number of solar hot water and solar space heating systems; design and evaluate performance of solar collectors and related hardware, manufacture collector support racks
SERVICES: testing, studies, referrals, consulting (fees vary)

-Portland Scribe

WACAP ENERGY

P. O. Box 293
Brooklyn, Connecticut 06234
(203) 774-7501

CONTACT: J.C.Halbrooks
ORGANIZATION SIZE: two
annual budget-weatherization-$154,000
crisis-$170,000
TYPE OF ORGANIZATION: community action agency
PURPOSE & GOALS: energy aid to low-income households
AREAS OF INTEREST: energy conservation
THINGS THEY DO: weatherization of low-income homes, crisis fuel money/assistance
SERVICES: crisis funds, weatherization, conservation talks, solar(and other) talks

DONALD WATSON, AIA

Box 401
Guilford, Connecticut 06437
(203) 453-6388

CONTACT: same
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: architectural office
PURPOSE & GOALS: energy conservation and solar design
AREAS OF INTEREST: wind, wood, passive and active dispersed solar
THINGS THEY DO: custom design services for buildings
SERVICES: contract research and publications, design
PUBLICATIONS: "Designing and Building a Solar House" -Garden Way Publishing, Charlotte, VT -1977; "Energy Conservation through Building Design"-Architectural Record Books/McGraw Hill, New York-1979; "Climate Design Handbook for Home Builders"-in preparation

WILSON SOLAR KINETICS CORPORATION *

P. O. Box 17308
West Hartford, Connecticut 06117
(203) 233-4461

CONTACT: James A. Pohlman, President
ORGANIZATION SIZE: six
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to produce supplemental heating of domestic hot water with concentrating solar collectors
AREAS OF INTEREST: solar, some high-temperature
THINGS THEY DO: manufacture concentrating collectors (U.S.Patents #3,954,097 and foreign patents); have done twelve test installations of supplemental heating; hope to work on solar heating of greenhouses and solar cooling
SERVICES: literature, demonstration projects, speakers, and economic studies(charge dependent on cost of job)

WORMSER SCIENTIFIC CORPORATION

88 Foxwood Road
Stamford, Connecticut 06903
(203) 329-2001

CONTACT: Eric M. Wormser
ORGANIZATION SIZE: six
annual budget-$300,000
TYPE OF ORGANIZATION: consultant, solar system design
AREAS OF INTEREST: passive solar, active dispersed solar

Delaware

DELAWAREANS FOR ENERGY CONSERVATION *

2303 Mousley Place
Wilmington, Delaware 19810
(302) 475-1526

CONTACT: Myrna L. Bair, Ph.D
ORGANIZATION SIZE: 100 members
annual budget-$500
TYPE OF ORGANIZATION: citizen action group
PURPOSE & GOALS: to promote energy conservation through out Delaware
AREAS OF INTEREST: solar, conservation
THINGS THEY DO: develop and distribute energy curricula to public schools and private schools; present public awareness programs; sponsor solar and energy fairs; publish monthly newsletter; serve on Governor's Energy Resource Management Commission
SERVICES: provide information, keep public aware through fairs, programs
PUBLICATIONS: 115 slide set on Energy and Conservation($50), "Energy Education", course description of graduate course for teachers(free); "Energy: Here Today, ? Tomorrow"-2 week mini-curriculum for grades 7-12($4)

INSTITUTE OF ENERGY CONVERSION

One Pike Creek Center
Wilmington, Delaware 19808
(302) 995-7155

CONTACT: Margaret Stallings, Manager, Energy Information Service
ORGANIZATION SIZE: staff-77
annual budget-$3.2 million
TYPE OF ORGANIZATION: applied research institute
PURPOSE & GOALS: to make a measurable contribution to the solution of specific energy problems
AREAS OF INTEREST: energy conservation, solar energy conversion, solar cells, thermal storage
THINGS THEY DO: test energy systems and solar applications, assist in management of conservation programs in the state
SERVICES: Energy Information Service, speakers bureau, classes, workshops, demonstration projects
PUBLICATIONS: SOLAR ONE, Solar Energy, Bibliography of Energy and Solar Related publications, technical reports

PORTER ENERGY PRODUCTS

P. O. Box 827
Newark, Delaware 19711
(301) 398-0284

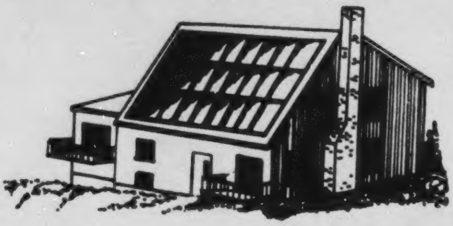
CONTACT: Robert W. Porter
ORGANIZATION SIZE: eight
annual budget-about $225,000
TYPE OF ORGANIZATION: manufacturer/distributor
PURPOSE & GOALS: to manufacture and distribute, for a fair profit, appropriate technology products and information, with particular emphasis on the Thomason "Solaris" capabilities
AREAS OF INTEREST: wind, passive solar, active dispersed solar, photovoltaics, small-scale hydroelectric
THINGS THEY DO: have supplied solar panels for dozens of total solar homes from Maine to Georgia; are furnishing(through a local installation company) components for a solar townhouse development, Treetop,near Newark, Delaware, expected to contain 25 solar homes
SERVICES: consulting on solar home design on a modest fee basis($15/hour)

District of Columbia

AMERICAN INSTITUTE OF ARCHITECTS(AIA) *

1735 New York Avenue, N.W.
Washington, D.C. 20006
(202) 785-7300

CONTACT: David Bullen, Energy Programs, Director
ORGANIZATION SIZE: 125(26,000 members)
TYPE OF ORGANIZATION: professional society
PURPOSE & GOALS: to preserve past architecture while growing to meet the needs of the future; to continue the education of members; to create livable neighborhoods out of decaying urban areas; to preserve open space
AREAS OF INTEREST: energy conservation and efficiency; hydroelectric, geothermal, alternative energy systems, conservation through design
THINGS THEY DO: lobby for energy conservation legislation; set up Community Design Centers in urban areas; increase public awareness of conservation through educational campaigns; studying ways of retrofitting its own headquarters
SERVICES: speakers bureau, "save-the-environment" projects, lobbying, networking their chapters, workshops, literature
PUBLICATIONS: "Memo", quarterly newsletter for members; many reports and pamphlets by members-send for listing with SASE



CENTER FOR RENEWABLE RESOURCES

1001 Connecticut Avenue, N.W.
Washington, D.C. 20036
(202) 466-6880

CONTACT: Dick Munson, Coordinator
ORGANIZATION SIZE: twelve
annual budget-$600,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to network with citizen organizations pushing for renewable energy development, as well as to broaden the coalition; to conduct policy research, provide consumer information; to serve as an information clearinghouse
AREAS OF INTEREST: all renewable energy and materials conservation
THINGS THEY DO: formerly Sun Day, CRR received a Dept. of Energy grant to identify the major barriers to solar development and to recommend strategies to overcome these barriers; held two Solar Congresses and state meetings for this work and produced a 700-page document---Citizens' Solar Program; published a 2000-page catalog(1980) of successful local solar/conservation projects; working on slide shows; analyzing federal solar budget; bringing together educational and solar experts to develop solar energy curricula
SERVICES: consulting(fee usually charged), information
PUBLICATIONS: education packet, platforms, model programs summaries---send for publications list

Citizens' Energy Project

1110-Sixth Street, N.W.
Washington, D.C. 20001
(202) 387-8998/9

CONTACT: Ken Bossong, Scott Denman, Jan Simpson
ORGANIZATION SIZE: four full-time(average)
annual budget-$90,000
TYPE OF ORGANIZATION: research and citizen advocacy group and organizing network(nonprofit)
PURPOSE & GOALS: to encourage the development of safe, renewable, economical energy resources and the implementation of appropriate tehcnologies and to oppose unsafe, uneconomical, polluting energy systems
AREAS OF INTEREST: stopping nuclear power, promoting solar and other alternative energies, conservation, and appropriate technologies
THINGS THEY DO: serve as an information clearinghouse for the mid-atlantic states and the nation in general on nuclear power, clean energy alternatives and appropriate technologies; also work as a grassroots organizing group and as an advocate of community-based energy planning
SERVICES: information networking, many short reports, informal consulting, speakers, conferences and workshops participants, coalition-building
PUBLICATIONS: approximately 150 short reports and books including Citizens' Energy Directory($11), Nuclear Power & Civil Liberties: Can We Have Both($7), and Solar Compendium($9)---send SASE for price list

SOLAR ENERGY TODAY

COMMUNITY SERVICES ADMINISTRATION(CSA) *

1200-19th Street, N.W.
Washington, D.C. 20506
(202) 254-5047

CONTACT: Richard M. Saul, Energy Coordinator(632-6503)
Mary Ann MacKenzie, Office of Program Development(254-5276)
ORGANIZATION SIZE: annual budget(Appropriate Technology only)-$4 million
TYPE OF ORGANIZATION: federal agency
PURPOSE & GOALS: to stimulate a better focusing of resources for enabling low-income families and individuals to attain the skills, knowledge and motivations and secure the opportunities for them to become more self-sufficient
AREAS OF INTEREST: conservation, solar, wood, food production and distribution, transportation
THINGS THEY DO: have numerous energy projects including the National Center for Appropriate Technology; funding research in solar, wind, food production and distribution, Center for Rural Affairs, economic opportunity offices and housing groups
SERVICES: demonstration projects, speakers, networking, planning, workshops(free to the public)
PUBLICATIONS: "Community Guide to Weatherization", "Save Energy, Save Money "-send for complete list

CONCERN, INC.

2233 Wisconsin Avenue, N.W.
Washington, D.C. 20007
(202) 965-0066

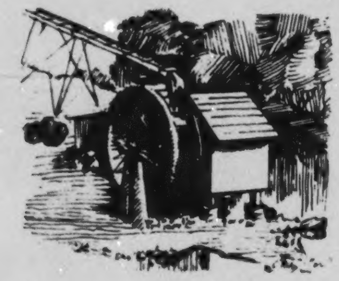
CONTACT: Beverly Carter, Executive Director
ORGANIZATION SIZE: 2000 members
annual budget-$80,000
TYPE OF ORGANIZATION: national environmental information organization
PURPOSE & GOALS: to educate the public on ways to accomplish environmental protection and improvement
AREAS OF INTEREST: solar, wind, solid wastes, conservation, fossil fuels, nuclear, oceans, geothermal

THINGS THEY DO: promoted Solar Energy Exhibit sponsored by HUD, DOE and FEA; issue literature on energy and conservation
SERVICES: demonstration projects, consulting, literature
PUBLICATIONS: Eco-Tips Series, on subjects such as fossil fuels, land use, solar, geothermal and nuclear energy; membership---$15/year; free publications list

THE CONSERVATION FOUNDATION *

1717 Massachusetts Avenue, N.W.
Washington, D.C. 20036
(202) 797-4300

CONTACT: Clem Rastatter, Senior Associate
ORGANIZATION SIZE: 36
TYPE OF ORGANIZATION: research and educational institute
PURPOSE & GOALS: encouragement of wise management of earth's resources; to communicate for action with citizens and policymakers
AREAS OF INTEREST: land use management, energy conservation, water quality, toxic substances, power plant siting
THINGS THEY DO: citizen training workshops; encourage environmental law; established regional environmental information centers; helped organize Earth Day, 1970; plan to set up toxic substances workshops; coastal zone management
SERVICES: conferences, films, workshops, networking, studies, speakers(at little or no cost), consulting(expenses or honorarium)
PUBLICATIONS: extensive list of land use, energy conservation, oil use, clean water publications



CONTINUING ENGINEERING PROGRAM

George Washington University
Washington, D.C. 20052
(202) 676-6106 or (800) 424-9773

CONTACT: Joseph Adinaro, Assistant Director
TYPE OF ORGANIZATION: university department
PURPOSE & GOALS: to develop a series of non-credit courses designed to enhance competence of practicing engineers in their chosen fields
AREAS OF INTEREST: solar, solid wastes, conservation
THINGS THEY DO: on and off-campus presentations; tailor courses to specific groups
SERVICES: short courses(1-5 days), open to public at varying tuition fees
PUBLICATIONS: brochures on courses offered

DESIGN ALTERNATIVES, INC.

1312-18th Street, N.W.
Washington, D.C. 20036
(202) 223-6336 or 0830

CONTACT: Eugene Eccli, President
ORGANIZATION SIZE: six
TYPE OF ORGANIZATION: professional consulting
PURPOSE & GOALS: to provide services and assistance on practical solutions to energy, resource and environmental problems in community settings for government agencies,contractors, builders, associations(trade and professional), and citizens
AREAS OF INTEREST: energy conservation, education, renewable energy sources, appropriate technology, alternative agriculture
THINGS THEY DO: have designed six solar homes and many conservation projects; prepared educational materials; conducted surveys and workshops on appropriate technology
SERVICES: engineering design, policy research, program development and preparation of educational materials
PUBLICATIONS: works by company members on appropriate technology, energy efficiency-send for listing

ENERGY USERS REPORT

Bureau of National Affairs
1231-25th Street, N.W.
Washington, D.C. 20037
(202) 452-4428

CONTACT: George H. Lesser, Managing Editor
Marlon B. Allen, Senior Editor
TYPE OF ORGANIZATION: report, publisher
PURPOSE & GOALS: to provide in-depth information services for the use of policymakers in business and government and unions, foundations, environmental groups
AREAS OF INTEREST: national and international energy policies and programs and their effect on supply and demand for all alternative fuels
THINGS THEY DO: research projects in special fields, publishing
SERVICES: speakers, literature, consulting($30 and up/hr.)
PUBLICATIONS: "Report"($280/yr.)-send for more info.

ENVIRONMENTAL ACTION FOUNDATION-UTILITY PROJECT

724 Dupont Circle Building
1346 Connecticut Avenue, N.W.
Washington, D.C. 20036
(202) 659-1130

CONTACT: "Utility Clearinghouse"
ORGANIZATION SIZE: three+
annual budget-$100,000
TYPE OF ORGANIZATION: citizen action/community
PURPOSE & GOALS: to be a clearinghouse for citizen groups challenging utility policies; against rate increases and unnecessary power plants and for local ownership of utilities
AREAS OF INTEREST: utility, nuclear(anti), fossil fuels
THINGS THEY DO: report on nuclear power and how citizens can challenge it on economic grounds; study public power alternative energy systems
SERVICES: consulting, literature,networking, library
PUBLICATIONS: "The Power Line", monthly magazine on utilities and related issues; books and pamphlets

FEDERAL TRADE COMMISSION

Star Building, Room 7101
Washington, D.C. 20580
(202) 724-1527

CONTACT: Jon Wellinghoff, Staff Attorney
TYPE OF ORGANIZATION: government agency
PURPOSE & GOALS: in division of energy and product information of the FTC,Bureau of Consumer Protection is involved in developing consumer protection strategies for prospective purchasers of active solar energy system-especially concerned with thermal and economic performance claims made by advertising and sales of such systems to residential customers
AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: receive consumer complaints, monitor advertising, investigate false and deceptive advertising claims, file formal complaints in appropriate cases
SERVICES: speakers are available to discuss deceptive advertising in the solar industry

see Addenda, page 123, for Health & Energy Learning Project(HELP)

INSTITUTE FOR LOCAL SELF-RELIANCE

1717-18th Street, N.W.
Washington, D.C. 20009
(202) 232-4108

CONTACT: David Morris, Director of Urban Energy Planning
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: research institute and consulting
PURPOSE & GOALS: to investigate the technical feasibility of community self-reliance in high density living areas and to examine the implications of such decentralization
AREAS OF INTEREST: photovoltaics, conservation, solar, solid wastes for manufacturing
THINGS THEY DO: energy audits, neighborhood preservation, neighborhood corporations for energy conservation and production and solid waste collection
SERVICES: demonstration projects, workshops, speakers, consulting, studies, library, networking, literature
PUBLICATIONS: Self-Reliance, bimonthly newsletter ($8/yr.), "Kilowatt Counter"($2); send SASE for complete list of books and posters

NATIONAL CENTER FOR RESOURCE RECOVERY

1211 Connecticut Avenue, N.W.
Suite 800
Washington, D.C. 20036
(202) 223-6154

CONTACT: Wade St. Clair, Vice-President
Cristina Giambi, Information Analyst
ORGANZATION SIZE: 31
PURPOSE & GOALS: nonprofit corporation formed by coalition from industry and labor to advance the development, implementation and understanding of systems to recover energy and materials from solid waste
AREAS OF INTEREST: resource recovery technologies
THINGS THEY DO: perform research, test and evaluation, demonstration and education projects, many of them under government grants and contracts; conduct pilot plant investigations; participate in prototype demonstration of materials recovery in New Orleans
SERVICES: studies, workshops, seminars, speakers, consulting, literature
PUBLICATIONS: NCRR Bulletin, quarterly ($8/yr. in U.S.) reports, etc.---send for listing

THE NATIONAL INTERVENORS, INC.

236 Massachusetts Avenue, N.E.
Washington, D.C. 20002
(202) 543-1642

CONTACT: Irene Dickinson(P. O. Box 189,
Lake Helen, Florida 32744--(904)
228-3988)

D.C. Contact: Dorothy Barnouw, Exec. Dir.
ORGANIZATION SIZE: director, volunteers
TYPE OF ORGANIZATION: citizen action group
PURPOSE & GOALS: to focus national attention and concern upon the impact of nuclear power plants on the nation and the world; to pursue reconciliation of the energy needs of this nation with the integrity of the environment and the benefit of all nations
AREAS OF INTEREST: nuclear power, alternative energy technologies, conservation
THINGS THEY DO: reprinting and distributing significant informational and education materials on the above
PUBLICATIONS: "Energy Bibliography"($2.50 ppd.), an extensive, annotated listing of current and past materials and articles on energy

NUCLEAR INFORMATION AND RESOURCE SERVICE(NIRS)

1536-16th Street, N.W.
Washington, D.C. 20036
(202) 483-0045

CONTACT: Betsy Taylor
ORGANIZATION SIZE: four full-time, two interns
annual budget-$200,000
TYPE OF ORGANIZATION: nonprofit resource center
PURPOSE & GOALS: to assist individuals and organizations who are interested and concerned about nuclear power: to provide information. advice, materials and speakers to people trying to halt nuclear plants and promote solar power
AREAS OF INTEREST: all alternatives to nuclear power
THINGS THEY DO: national/regional networking(for instance, helping organize and initiate conferences)
SERVICES: above, and answers phone and letter requests for information on nuclear issues; publishes a monthly newsletter. produces information packets on issues such as labor relations, CWIP, state energy legislation, and uranium mining, distributes films, and will soon operate a speakers bureau
PUBLICATIONS: pamphlets(some for just a SASE), packets, "Groundswell" newsletter-send for their complete listing

OFFICE OF ENERGY PROGRAMS/SEAS

George Washington University
Washington, D.C. 20052
(202) 676-7135

CONTACT: Dr. Ali B. Cambel, Director
Mr. G.A.Heffernan, Sr. Staff Member
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: university program
PURPOSE & GOALS: to do research in energy; to educate energy engineers and policy makers
AREAS OF INTEREST: solar, fuelwood burning, magnetohydronamics, for generation of power and alternative lifestyles
THINGS THEY DO: offer course and degree work in energy and energy systems
SERVICES: consulting, referrals, workshops, planning, research, technical studies, education
PUBLICATIONS: "On Site Solar Energy Assessment", "Socio-Economic Implications of Energy". "Solar Energy for Developing Countries"-other books are available including proceedings of conferences

PUBLIC INTEREST ECONOMICS FOUNDATION(PIE-F)

1525 New Hampshire Avenue N.W.
Washington, D.C. 20036
(202) 872-0313

pie

CONTACT: Elizabeth Watson, Director of Education
ORGANIZATION SIZE: 15-20
TYPE OF ORGANIZATION: national public interest research and education group
PURPOSE & GOALS: to increase the justice and efficiency with which the economy operates: decreasing inequalities in wealth, income and power; improving the general welfare by reducing waste in the use of human potential, of environmental and other natural resources; increasing the responsiveness of the economy and polity to public needs; increasing public understanding of the economics of current issues
AREAS OF INTEREST: utility rate reform, solar, nuclear
THINGS THEY DO: offer educational programs, clearinghouse for professional advice
SERVICES: networking, lobbying, economic studies (government research contracts), pro bono networking and economic help, consulting

RESOURCE RECOVERY REPORT

5313-38th Street, N.W.
Washington, D.C. 20015
(202) 298-6344

CONTACT: Frank McManus, Editor and Publisher
ORGANIZATION SIZE: two
annual budget-$25,000
TYPE OF ORGANIZATION: newsletter/consulting
PURPOSE & GOALS: to publish monthly 4-6 page newsletter on national, state, and local developments in waste-to-energy and materials recovery including source separation
AREAS OF INTEREST: wood, alcohol fuels, methane and other biomass, solid wastes
THINGS THEY DO: organized special visits to resource recovery projects, gave the first "resource recovery man of the year award" to Sen. Randolph, hold seminars on federal research in resource recovery and organized multi-witness congressionial appearances at hearings
SERVICES: consulting on wide range of energy and environmental matters particularly at the federal agency and congressional levels
PUBLICATIONS: Resource Recovery Report(monthly, $48/year)

SMITHSONIAN SCIENCE INFORMATION EXCHANGE

Room 300, 1730 M Street, N.W.
Washington, D.C. 20036
(202) 381-4211

CONTACT: Robert Summers, Chief, Physics, Mathematics and Electronics Branch
ORGANIZATION SIZE: 130(all sciences)
TYPE OF ORGANIZATION: nonprofit corporation
PURPOSE & GOALS: to collect, index, and disseminate information about research in progress in all fields of science, including energy
AREAS OF INTEREST: all sciences; alternative energy research-hydraulics, water resources and quality, environment, nuclear safety and control systems
THINGS THEY DO: searches for information about research projects in progress
SERVICES: searches of computerized data base; cataloging of current research
PUBLICATIONS: SSIE Newsletter($10/year)

SOLAR ENERGY INSTITUTE OF NORTH AMERICA

1110-6th Street, N.W.
Washington, D.C. 20001
(202) 667-6611

CONTACT: Luana Moore, Executive Director
TYPE OF ORGANIZATION: professional, trade, consumer, membership organization
PURPOSE & GOALS: to foster and urge the development of economical solar systems
AREAS OF INTEREST: solar space, domestic hot water, cooling of buildings; photovoltaic applications, wind, new application of renewable energy sources, Power Tower concepts, etc.
THINGS THEY DO: information source for architects, engineers, builders, contractors, manufacturers, scientists, government and homeowners; exchange ideas and market products and protect the public by Standards and Warranties
SERVICES: literature, audio-visual materials, library, speakers bureau
PUBLICATIONS: Solar Life($20/yr./monthly; Solar Energy Source Book($30 hardback, $15 paper); Solar State of the Union($5); membership: $25 for individuals and nonprofit groups, $45 for firms(all the above materials are benefits of membership): SEINAM also distributes 300 solar and appropriate technology books and pamphlets

Solar Lobby

1001 Connecticut Avenue, N.W.
Washington, D.C. 20036

(202) 466-6350

CONTACT: Dick Munson, Coordinator
ORGANIZATION SIZE: twenty
annual budget-$700,000

TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to help develop solar energy as a strong, decentralized and competitive industry; to accelerate the use of solar and conservation measures through federal legislation
AREAS OF INTEREST: all alternatives, especially solar
THINGS THEY DO: coauthored an alternative Domestic Policy Review for Solar Energy-Blueprint for a Solar America; plan a solar energy development bank to provide long-term, low-interest loans; promote incentives to the industrial sector (which uses 42% of U.S. energy)-will convert to solar technologies
SERVICES: consulting, speakers(fees negotiable)
PUBLICATIONS: Sun-Times, monthly newsletter($15/yr.) Blueprint for a Solar America(see above), 39 pages documenting the programs needed to achieve at least 25% U.S. energy from renewable sources by 2000(published January 1979)

TRENDS PUBLISHING, INC.

National Press Building, Rm. 233
Washington, D.C. 20045
(202) 393-0031

CONTACT: A. Kranish , Editor
TYPE OF ORGANIZATION: newsletter publisher
PURPOSE & GOALS: to publish information concerned with scientific, technical and economics issues
AREAS OF INTEREST: virtually all energy issues
PUBLICATIONS: "Energy Today"($165/yr.), "Environment Report"($120/yr.), "Science Trends"($120/yr.), "Scientific Information Notes"($60/yr.), "Radiation Report"($120/yr.)

WOOD ENERGY INSTITUTE

1101 Connecticut Avenue, N.W. #700
Washington, D.C. 20036
(202) 857-1100

CONTACT: Carter Keithley, Executive Director
Terry Ellsworth, Director of Gov't Affairs
Anne Duffy, Membership Director
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: nonprofit, alternative energy research and education
PURPOSE & GOALS: promotion of intelligent use of wood as a renewable energy resource; seeks to provide a forum dedicated to the advancement of wood energy technology, serve as a repository for data, and assist free enterprise in the development of new wood energy systems
AREAS OF INTEREST: wood
THINGS THEY DO: sponsors annual International Wood Energy Trade Show; continuing series on educational seminars on wood and energy topics; publishes proceedings for the seminars and WEI Reports; legislative program to further goals of wood energy industry
SERVICES: speakers, research, feasibility studies, technical studies, legislation
PUBLICATIONS: Wood 'N Energy, newsletter; WEI Reports bimonthly newsletter going to corporate, retail and nonprofit members; proceedings, feasibility reports--send for publications list

WORLDWATCH INSTITUTE

1776 Massachusetts Avenue, N.W.
Washington, D.C. 20036
(202) 452-1999

CONTACT: Bruce Stokes, Director of Outreach
Macinda Byrd, Publications Sales
ORGANIZATION SIZE: thirteen
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to identify emerging global issues and bring them to the public's attention through Worldwatch papers and books
AREAS OF INTEREST: all energy fields with particular interest in the development of renewable energy resources worldwide; world issues
THINGS THEY DO: research and publish books and papers on these topics
PUBLICATIONS: many nuclear, solar, energy development papers; hunger issues are also covered; send for listing

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Florida

ALTERNATE SOURCES OF ENERGY

Enos L. Schera, Jr.
8254 S.W. 37th Street
Miami, Florida 33155
(305) 226-0199

CONTACT: same
TYPE OF ORGANIZATION: private inventor, scientist, speaker, contact person for ASE magazine
PURPOSE & GOALS: to obtain patents on Alternate Energy Devices which run on renewable, clean sources; to produce products for citizen use; educating the public to use these sources; using alternatives to solve the energy crisis
AREAS OF INTEREST: solar, wind, ocean waves, tidal, gravitational, photovoltaic, hydrogen, electric cars, energy conservation, anti-nuclear, thermopile, solid state refrigeration(thermoelectric), temperature differential, energy converters
THINGS THEY DO: received patent on device which produces electricity from passing ocean waves; encourages use of solar water and space heaters; built solar water heater system, research
SERVICES: monitors 30 technological magazines and reduces them to layman's language, demonstrates alternative sources of energy on TV, radio, at schools; answers technical questions from ASE subscribers and on ASE Amateur Radio Network (every Sunday. 14344 kc-2:30 pm); technical and economic studies, information on books, workshops, exhibits, speaker on ASE subjects
PUBLICATIONS: periodic writer for ASE magazine; "How to Build a Solar Hot Water Heater"; editor of Fla. Solar User Network newsletter ($6/yr./4 issues)

ARIES CONSULTING ENGINEERS, INC. *

115 Northeast Seventh Avenue
Gainesville, Florida 32601
(904) 372-6687

CONTACT: W.J.Fielder III, President
R.S.Puller, Vice-President
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: consulting engineers
PURPOSE & GOALS: to provide consulting and design engineering services for all types of energy applications
AREAS OF INTEREST: conservation, solar, methane, some hydrogen, wind, water and wood
THINGS THEY DO: professional, mechanical and electrical engineering design for natural energy applications and energy conservation; have completed at least 15 solar designs ranging in size from residential to large commerical systems(e.g. Mother Earth News); integrated energy conservation/natural energy systems
SERVICES: demonstration projects, technical studies, economic studies, consulting($30/hr.), design and studies(fees vary with each project)

AZTEC SOLAR CO. *

P. O. Box 272
Maitland, Florida 32751
(305) 628-5004

CONTACT: Jay Lipeles, President
Joel Greenstein, Chief Engineer
ORGANIZATION SIZE: nine
annual budget-$240,000
TYPE OF ORGANIZATION: manufacturer, distributor
PURPOSE & GOALS: to manufacture and sell solar energy products and engineering
AREAS OF INTEREST: solar
THINGS THEY DO: plan work on commercial applications of solar energy utilization; conduct research for DOE(ERDA) on automatic test monitoring systems for home hot water use
SERVICES: speakers, consulting, technical studies ($25/hr. minimum)
PUBLICATIONS: "The Aztec News", a newsletter

BARWOOD DEVELOPMENT CORPORATION *

23099 Barwood Lane North
Boca Raton, Florida 33433
(305) 395-8589

CONTACT: John B. Sparling, Solar Project Manager
ORGANIZATION SIZE: five
annual budget-$1.5 million
TYPE OF ORGANIZATION: land development corporation
PURPOSE & GOALS: to build condominiums with solar domestic hot water and swimming pool heat
AREAS OF INTEREST: solar for heating
THINGS THEY DO: have built a 216-unit complex using domestic hot water and swimming pool solar heat-estimated 15-25% electricity savings; plan to continue with using solar collectors in all projects
SERVICES: demonstration projects, consultation(usually by phone)
PUBLICATIONS: newsletter

CLEAN ENERGY RESEARCH INSTITUTE *

P. O. Box 248294
Coral Gables, Florida 33124
(305) 284-4666

CONTACT: Dr. T. Nejat Veziroglu, Director
Lucille Walter, Executive Secretary
ORGANIZATION SIZE: administrative-five
council-twelve
fellows-44
annual budget-$30,000
research-$650,000
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to research in alternative energy
AREAS OF INTEREST: hydrogen, solar, ocean thermal, energy conversion, conservation
THINGS THEY DO: organized first World Hydrogen Conference, Energy Conservation National Forum, and a short course on Ocean Energy Systems;
SERVICES: demonstration projects, conferences, workshops and publications, professional consulting
PUBLICATIONS: annual report, papers and proceedings

CONCHSHELL ALLIANCE

P. O. Box 430735
South Miami, Florida 33143
(305) 253-9458

CONTACT: Warren Hoskins, Wayne Sutton
ORGANIZATION SIZE: no paid staff
annual budget-about $800
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to stop nuclear power and promote alternative sources of energy
AREAS OF INTEREST: coal, passive and active dispersed solar, utilities, stopping nuclear power
THINGS THEY DO: held a statewide informational caravan for a nonnuclear future(November, 1978); got Port of Miami, Port Everglades in Fort Lauderdale to ban incoming nuclear shipment(December, 1978); presently working on trying to get public hearings on the steam generator replacements at power plant at Turkey Point
SERVICES: above, literature, speakers(in South Florida only)
PUBLICATIONS: no regular publications, leaflets only

EARTH METABOLIC DESIGN LAB *

8501 Midnight Pass Road
Sarasota, Florida 33581
(813) 349-8863

CONTACT: John Lambie, President
ORGANIZATION SIZE: six
annual budget-$25,000+
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to increase information level about alternative energy systems for energy and resource utilization via systematic study of metabolism (energy and material flow)
AREAS OF INTEREST: all types of energy and uses
THINGS THEY DO: integrated systems for home design and farming
SERVICES: consulting services on solar applications; workshops, seminars about metabolics and land use planning, video documentation and programming, networking, speakers(fees vary on all services)

ELECTRASOL LABS

2326 Fieldingwood Road
Maitland, Florida 32751
(305) 339-0511

CONTACT: Dr. Harold R. Dessau
ORGANIZATION SIZE: one
annual budget-$10,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: research and development of low-cost solar and energy conservation devices
AREAS OF INTEREST: active dispersed solar
THINGS HE DOES: development of plastic trickle type solar panels

JOSEPH ENNIS

212 20th Street
Niceville, Florida 32578
(904) 678-2624

CONTACT: same
ORGANIZATION SIZE: one
annual budget-$1,000
TYPE OF ORGANIZATION: researcher
PURPOSE & GOALS: to help others, making alternative energy work and be cost effective
AREAS OF INTEREST: solar, methane, wind(has been living with alternative systems since 1968)
THINGS HE DOES: designed and built attached, inexpensive solar greenhouse; methane powered VW bus; wind-electric system; working on sun-powered irrigation pump and a dome habitat
SERVICES: speaker, networking, technical studies, demonstration projects, economic studies, will answer correspondence(enlcose SASE and $1)
PUBLICATIONS: contributor to Green Revolution, Alternative Sources of Energy, Essays on Food and Energy

ENVIRONMENTAL INFORMATION CENTER

Florida Conservation Foundation
935 Orange Avenue
Winter Park, Florida 32789
(305) 644-5377

CONTACT: William M. Partington, Jr., Director
Wyatt H. Gantt, Engineer
Mrs. E.M. Pratt, Exec. Secretary
ORGANIZATION SIZE: three
annual budget-$50,000+
TYPE OF ORGANIZATION: community research
PURPOSE & GOALS: to accumulate, assist and provide information on a broad spectrum of environmental subjects important to Florida through publications, conferences and other community education projects
AREAS OF INTEREST: conservation, energy, including solar
THINGS THEY DO: organize conferences, research, publish a newsletter, coordinate environmental studies at Rollins College, and provide general public with information
SERVICES: above and speakers, library, workshops, consulting($25/hr.)
PUBLICATIONS: ENFO Newsletter; Build Your Own Solar Water Heater($3.00); Solar Heating for Swimming Pools($4.50)

FLORIDA DIVISION OF STATE PLANNING *

IBM Building
660 Apalachee Parkway
Tallahassee, Florida 32304
(904) 488-2401

CONTACT: Don Young, Senior Planner
PURPOSE & GOALS: to prepare a comprehensive plan for Florida which assures the orderly and long-range social, physical and economic growth of the state
AREAS OF INTEREST: alternative futures for Florida; energy-efficient land use planning, alternative energy sources(wood, coal, biomass, solar thermal, solar electric, nuclear)
THINGS THEY DO: long-range and related planning and policy analysis; land use planning and energy, economic and growth analysis; impact assessment; ten-year electric utility site plan
SERVICES: give assistance to other agencies, economic studies, demonstration projects, information requests, educational documents

FLORIDA GOVERNOR'S ENERGY OFFICE

301 Bryant Building
Tallahassee, Florida 32301
(904) 488-6764

CONTACT: Mr. L.A.Hester
ORGANIZATION SIZE: sixty
annual budget-$2.8 million
TYPE OF ORGANIZATION: state office
PURPOSE & GOALS: allocation and contingency planning for energy; policy analysis; data collection and analysis; energy conservation and public information
AREAS OF INTEREST: fossil fuels, conservation, appropriate tehcnology, comprehensive energy planning, alternate energy sources
THINGS THEY DO: implement state and federal agency energy conservation programs; conduct community involvement activities; coordinate Florida energy programs
SERVICES: demonstration projects, speakers, workshops, studies, literature, information bank, library, films, planning
PUBLICATIONS: annual report, newsletter, publications on energy in Florida and on consumption and conservation

FLORIDA SOLAR ENERGY CENTER

300 State Road 401
Cape Canaveral, Florida 32920
(305) 783-0300

CONTACT: Joan R. Morin, Public Information Office
ORGANIZATION SIZE: 65
annual budget-$1.7 million
TYPE OF ORGANIZATION: government agency-funded by the State Board of Regents
PURPOSE & GOALS: to provide educational/informational services to Floridians; development of test methods and standards for solar equipment; to develop and participate in demonstration projects; to provide technical assistance to state agencies

AREAS OF INTEREST: biomass, active solar, photovoltaics testing for flat plate collectors
THINGS THEY DO: research, development and demonstration; flat-plate collector testing; energy system analysis
SERVICES: library, workshops, travelling lecture series, publications(technical and non-technical), testing program(fees available on request)
PUBLICATIONS: "A Guide to Solar Water Heating in Florida"($1.50) --on systems sizing and economics of DHW systems; "A Guide to Solar Pool Heating in Florida"($1.75) --design of solar pool heaters; "The Solar Collector", quarterly newsletter, free in U.S.

GENERAL ENERGY DEVICES, INC. *

1753 Ensley Avenue
Clearwater, Florida 33516
(813) 586-3585

CONTACT: Leonard D. Levin, President
James F. Dorman, Vice-President
ORGANIZATION SIZE: 32
annual budget-$2 million
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: sale and manufacture of solar conversion equipment
AREAS OF INTEREST: solar for generation of power
THINGS THEY DO: manufacture and sell solar equipment
SERVICES: (only to distributors)-demonstration projects, speakers, technical studies, workshops

HAWTHORNE INDUSTRIES, INC.

Solar Energy Division
3114 Tuxedo Avenue
West Palm Beach, Florida 33405
(305) 684-8400

CONTACT: Ray Lewis, Division Manager
J.B.Carr, Technical Supervisor
ORGANIZATION SIZE: 11 in solar division; 60 total
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: manufacture and sales of differential thermostat controls for solar systems; to promote solar energy
AREAS OF INTEREST: above and research and development to meet present and future energy needs
THINGS THEY DO: participate in local and state groups meetings and promoting solar energy; designed, developed and marketed the first proportional differential thermostat control within the solar industry; research into the use of controls for solar and non-solar applications;; assisted in the organization of the Florida Solar Eenrgy Association
SERVICES: design and limited consulting

HOUR HOUSE

P. O. Box 40082
St. Petersburg, Florida 33743
(813) 546-6759

CONTACT: Floyd Hickok, Managing Editor
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: to produce technology transfer reports, which are publications intending to help the user put in practice the developments of research and industry
AREAS OF INTEREST: all forms of energy for reporting, research and development
THINGS HE DOES: publisher of books about energy; plans for next book to deal with potential for community self-reliance in energy
SERVICES: consulting, referrals, technical studies, workshops, exhibits, literature
PUBLICATIONS: Home Improvements for Conservation and Solar Energy (1977, $6.80)---send for list

Menomini Thunderbird

NORTHEAST FLORIDA SOLAR ENERGY ASSOCIATION

947 Sorrento Road
Jacksonville, Florida 32207
(904) 399-8012

CONTACT: Craig W. Lindelow
ORGANIZATION SIZE: 100 members(no staff)
annual budget-$3,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to promote the appropriate use of clean, safe and renewable energy from the sun, to encourage the conservation and efficient use of energy, to encourage the use of solar energy in all its forms as a solution to local, state and national energy, environmental, economic and employment problems, to achieve a significant utilization of solar energy in Northeast Florida, to incorporate solar energy and conservation into the energy policy making process of government and to educate the public about solar energy and its uses and products
AREAS OF INTEREST: all alternatives to non-renewable sources of energy, appropriate technology
THINGS THEY DO: NEFSEA is prime sponsor and organizer of Sun Day for 1979 in northeast Florida, sponsor meetings, lectures, forums, panels, exhibits, and other educational mediums involving architects, builders, engineers, public officials, schools, purchasers and the public; networking, build local membership
SERVICES: (new organization-November 1978)-will have committees on consumer, industry, education, public policy, publicity, membership, grants, A.T., environment, legal and Sun Day

S.P.S. INC.

8801 Biscayne Boulevard
Miami, Florida 33138
(305) 754-7766

TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture the Organic Rankine Cycle Engines for applications including solar, geothermal, and industrial waste heat recovery (none of their engines are suitable for home use)
AREAS OF INTEREST: geothermal, utilities, solar power generation
THINGS THEY DO: multi-megawatt industrial waste heat recovery projects, geothermal irrigation pumps, solar air conditioning drive units(5 to 1000 tons) solar electrical generators(10kw 3-phase and up)

SOLAR ENERGY COMPONENTS, INC.

441 Shearer Boulevard
Cocoa, Florida 32922
(305) 632-2880

CONTACT: Aulton A. Autry, President
ORGANIZATION SIZE: two full-time, seven part-time
annual budget-varies
TYPE OF ORGANIZATION: manufacturer, designer, distributor
PURPOSE & GOALS: to advance the field of solar energy to preserve natural resources and provide employment in the new field
AREAS OF INTEREST: solar, development of improved hardware and electronic equipment for the field
THINGS THEY DO: using black chrome for coating on coil plates (stagnant temperature of 355 F); development of flat plate collector to be used in solar water heating and manufacturing electronic equipment
SERVICES: demonstration projects, speakers, workshops, technical studies; information relative to installation and maintenance of their systems
PUBLICATIONS: "Instruction for Do-It-Yourself Collector" installation manual and home operator manual

SOLARKIT OF FLORIDA, INC.

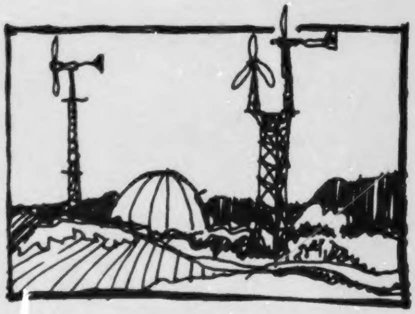
1102 139th Avenue
Tampa, Florida 33612
(813) 971-3934

CONTACT: Wm. Denver Jones, President
ORGANIZATION SIZE: annual budget-$50-100,000
TYPE OF ORGANIZATION: manufacturer, retailer, installer
PURPOSE & GOALS: to manufacture flat plate collectors for retrofitting and new construction
AREAS OF INTEREST: passive and active dispersed solar, fusion energy, conservation
THINGS THEY DO: manufacture both single-and double-glazed collectors, has small research and development effort(to be expanded in the future); wholesale absorber plates, collectors, components, kits for domestic, commercial, industrial, pool, farm and agricultural hot-water systems
SERVICES: consulting(waste heat utilization, solar-assisted heat pumps, system sizing, economics), installation, manufacturing
PUBLICATIONS: articles in plasma and fusion physics

UNIVERSITY OF FLORIDA SOLAR ENERGY AND ENERGY CONVERSION LABORATORY *

325 MFB
Gainesville, Florida 32611
(904) 392-0812

CONTACT: Dr. Erich Farber, Director
George W. Shipp, Information Director
ORGANIZATION SIZE: twenty
annual budget-$120,000
TYPE OF ORGANIZATION: state university research institute
PURPOSE & GOALS: to develop practical and economically feasible solar energy systems for residential applications; to research basic sciences involved in energy conversion
AREAS OF INTEREST: all solar, some methane for system development and practical utilization
THINGS THEY DO: developing ammonia water solar air-conditioning system; developing solar cooking system; plan to undertake several studies on energy for the University; research on alternative energy
SERVICES: planning, speakers, workshops, demonstration projects, consulting and referrals, will answer informational requests
PUBLICATIONS: research results and theses



THE WILCON CORPORATION *

3310 S.W. 7th Street
Ocala, Florida 32670
(904) 732-2550

CONTACT: K.T.Wilson, President
ORGANIZATION SIZE: fourteen
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture high-quality, high-efficiency solar equipment
AREAS OF INTEREST: primarily solar
THINGS THEY DO: residential and commerical equipment for heating water
SERVICES: will answer informational requests from the public

Georgia

COASTAL PLAIN AREA EOA, INC.

P. O. Box 1645
Valdosta, Georgia 31601
(912) 244-7860

CONTACT: Col. F.J.Smrcina
ORGANIZATION SIZE: 220
annual budget-$3.5 million
TYPE OF ORGANIZATION: private, nonprofit
PURPOSE & GOALS: to support and run self-help programs addressing the needs of low-income residents
AREAS OF INTEREST: utilities, weatherization of low-income homes
THINGS THEY DO: weatherization, have emergency funds to prevent cut-offs

GEORGIA OFFICE OF ENERGY RESOURCES

Room 615
270 Washington Street, S.W.
Atlanta, Georgia 30334
(404) 656-5176

CONTACT: Mark Zwecker, Director
ORGANIZATION SIZE: twelve
annual budget-$250,000
TYPE OF ORGANIZATION: state office
PURPOSE & GOALS: to promote energy conservation and efficiency; wise management of existing resources, and development of viable energy resource alternatives
AREAS OF INTEREST: energy conservation and resource development
THINGS THEY DO: develop and recommend energy policy to the Governor and the General Assembly; develop and coordinate State energy conservation and resource development programs; assist in development of energy program demonstration projects
SERVICES: demonstration projects, films, speakers, workshops, informational requests answered

HENRY LINDLAHR LAND TRUST AND HEALTH CENTER *

206 Parkview
Marietta, Georgia 30060
(404) 427-6166

CONTACT: Gary Goren
ORGANIZATION SIZE: six
annual budget-$10,000
TYPE OF ORGANIZATION: nonprofit corporation, citizen group
PURPOSE & GOALS: to buy land and put into operation a land trust, organic farm, and community-oriented health clinic
AREAS OF INTEREST: wood, solar, methane, wind
THINGS THEY DO: newsletter; health care seminars, plan an organic farm and construction of alternative energy projects
SERVICES: literature, library, speakers(mostly in health field)
PUBLICATIONS: newsletter($3 to cover printing costs)

SOUTHWEST GEORGIA COMMUNITY ACTION COUNCIL

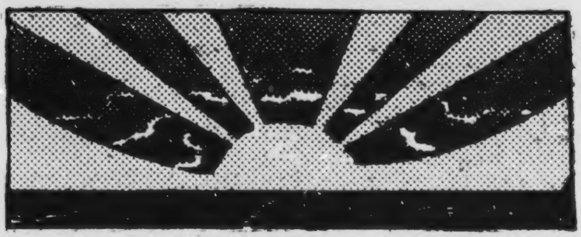
P. O. Box 1219
Moultrie, Georgia 31768
(912) 985-3610

CONTACT: same
ORGANIZATION SIZE: 200
annual budget-$2,750,000
TYPE OF ORGANIZATION: private nonprofit agency
PURPOSE & GOALS: to provide human service programs for poor and elderly citizens of Southwest Georgia
AREAS OF INTEREST: wood, biomass, passive and active dispersed solar, low-energy cooling
THINGS THEY DO: residential weatherization, low-cost solar water heating, attached solar greenhouses
SERVICES: consulting assistance, short training sessions

SUN/REP(SOUTHERN UNITY NETWORK/RENEWABLE ENERGY PROJECTS)

Suite 412, 3110 Maple Avenue
Atlanta, Georgia 30305
(404) 261-1764

CONTACT: Merle Lefkoff, Ron Mithcell, Len Levine
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: citizen coalition covering twelve states(AL, FL, GA, KY, MS, NC, SC, TN, TX, OK, AR, LA)
PURPOSE & GOALS: to advocate small-scale, appropriate technologies in order to foster local self-reliance among community groups and individuals in the rural and urban South
AREAS OF INTEREST: all alternatives to centralized power
THINGS THEY DO: networking southern AT community; encourage commercialization; publicize AT; minimal lobbying at present
SERVICES: information exchange about local AT projects, networking, library, referrals, proposals in the works for demonstrations and workshops
PUBLICATIONS: newsletter featuring AT projects, publications, job listings, twelve state reports



TALLATOONA EOA, INC.

P. O. Box 686
Cartersville, Georgia 30120
(404) 382-5388

CONTACT: Linda B. Leachman
ORGANIZATION SIZE: 106
annual budget-$1,200,000
TYPE OF ORGANIZATION: community action agency
PURPOSE & GOALS: assisting low-income individuals/families to become self-sufficient and leave the rolls of poverty
AREAS OF INTEREST: wood, coal, solid wastes, passive solar, utilities, oil/natural gas
THINGS THEY DO: employment training, energy conservation, community development, housing, head start, alcohol abuse
SERVICES: in above areas--counseling, research/demonstration, organizing/educating community groups

TAYLOR :: WILLIAMS

5 Baltimore Place N.W
Atlanta Georgia 30308
404 892 2600

CONTACT: Richard L. Taylor, President
ORGANIZATION SIZE: four staff members
TYPE OF ORGANIZATION: architectural firm
PURPOSE & GOALS: to provide full architectural services
AREAS OF INTEREST: high-temperature solar and other solar technologies, wind, conservation
THINGS THEY DO: designed the Shenandoah Solar Community Center, which is the largest building to use solar energy for heating and cooling; they are the architects for a manufacturing plant that has a $10 million DOE grant to provide electricity for the plant
SERVICES: consulting(fees negotiable), workshops and exhibits, demonstration projects, speakers
PUBLICATIONS: materials describing the Center as well as other projects

Hawaii

THE SOLARAY CORPORATION *

2414 Makiki Heights Drive
Honolulu, Hawaii 96822
(808) 533-6464

CONTACT: Lawrence M. Judd, President
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: manufacturer, distributor
PURPOSE & GOALS: to manufacture flat plate collector panels; to sell accessory items for solar water heating
AREAS OF INTEREST: solar flat plate collectors for domestic hot water use
THINGS THEY DO: manufacture and attempt to sell at low cost for use on pools, hot tubs, residential and apartment dwellings; planning a larger collector in the hopes of reducing cost
SERVICES: consulting(at this time, a free service), library, speakers, workshops, exhibits,, public information and open library

STATE OF HAWAII
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

P. O. Box 2359
Honolulu, Hawaii 96804
(808) 548-4080

CONTACT: Dr. Eugene Grabbe, Alfred S. Harris
ORGANIZATION SIZE: seven
annual budget-$125,000
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: energy management; conservation; alternative energy resource development
AREAS OF INTEREST: solar, wind, geothermal, biomass, solid wastes, tidal, ocean thermal
THINGS THEY DO: research and development in above areas; planning for state energy self-sufficiency; development of State Energy Plan
SERVICES: demonstration projects, workshops, exhibits, information

Idaho

ADVANCED BUILDING TECHNOLOGY GROUP *

Department of Architecture
University of Idaho
Moscow, Idaho 83843
(208) 885-7938

CONTACT: Anton A. Eder, Assistant Professor
ORGANIZATION SIZE: one staff member
TYPE OF ORGANIZATION: unofficial university group of students and faculty
PURPOSE & GOALS: to investigate and research the effects of alternative energy systems on architecture
AREAS OF INTEREST: architectural design aspects of solar, methane, wood and wind technologies; conduct research on hot air solar collectors, long-term thermal storage, and movable insulation
THINGS THEY DO: have developed a high-efficiency, low-cost hot air collector(patent-pending); have designed a U.S.Navy energy test house(with four separate integrated solar systems); designed an energy self-sufficient residence with annual cycle solar storage; working on development of 100% solar heating for northwest regional application
SERVICES: solar design consulting(at standard architectural rates), lectures can be arranged if travel costs are covered

COMMUNITY ACTION AGENCY
COUER D'ALENE MULTIPURPOSE CENTER

P. O. Box 1300
Couer d'Alene, Idaho 83814
(208) 664-3114

CONTACT: Annie Hardy, Area Coordinator
ORGANIZATION SIZE: eighteen
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to lessen the impact of energy crisis by weatherizing homes
AREAS OF INTEREST: conservation, solar
THINGS THEY DO: looking for cheaper ways to build solar collectors for heating domestic hot water; give assistance to low-income people; weatherization
SERVICES: workshops, demonstration projects

TRACY L. HANSEN *

P. O. Box 1176
Twin Falls, Idaho 83301
(208) 734-8940

CONTACT: same
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: residential designer
PURPOSE & GOALS: architectural design, consultation, supervision and promotion of residential construction
AREAS OF INTEREST: conservation, hydroelectric, wood
THINGS THEY DO: own home has solar/hydronic space and water heating, wind-powered electricity, greenhouse; building a complete house using solar and other conservation devices
SERVICES: consulting($15/hr.), advice to homeowners

IDAHO NATIONAL ENGINEERING LABORATORY

1955 Fremont
Idaho Falls, Idaho 83415
(208) 522-6640, 526-9887 or 526-9217

CONTACT: R.J.Schultz, H.R. Hilker
ORGANIZATION SIZE: thirty
annual budget-$2.1 million
TYPE OF ORGANIZATION: DOE Engineering Laboratory
PURPOSE & GOALS: to perform research and develop demonstration projects with moderate to low temperature geothermal energy resources; technology transfer
AREAS OF INTEREST: geothermal for space and process heating, electric appliances
THINGS THEY DO: reports on direct applications of geothermal energy, geothermal heat in food processing; space heating project
SERVICES: demonstration projects, workshops, exhibits, economic and technical studies, films
PUBLICATIONS: literature on geothermal applications

IDAHO OFFICE OF ENERGY

Statehouse
Boise, Idaho 83720
(208) 334-3406

CONTACT: Angela Neitzel
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to encourage energy conservation, development of new clean energy resources, and to direct the Idaho state energy program
AREAS OF INTEREST: conservation, alternative energy sources
SERVICES: education, conferences, exhibits, library, coordination of state energy activities, audio-visual library, speakers bureau
PUBLICATIONS: "Energy Update", monthly newsletter, Alternative Energy Handbook(Idaho specific), Geothermal Handbook, alcohol fuels brochure Energy Facts (all free)

Illinois

BAILLY ALLIANCE--ILLINOIS

711 S. Dearborn, Room 548
Chicago, Illinois 60605
(312) 764-5011

CONTACT: Ed Gogol
ORGANIZATION SIZE: zero
annual budget-low
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to educate people and build the anti-nuclear movement to shut down all nuclear power plants as fast as possible--to stop radioactive pollution(of special interest are Commonwealth Edison's plants and NIPSCO's Bailly plant)
AREAS OF INTEREST: anti-nuclear
THINGS THEY DO: sponsor anti-nuclear demonstrations, including civil disobedience action; leaflet, interventions; develop regional ties; local organizing and statewide
SERVICES: speakers bureau, literature table and workshops on any aspect of nuclear power and alternative energy; own a copy of "Lovejoy's Nuclear War"--available for showings at nominal cost
PUBLICATIONS: leaflets, No Nukes News, newsletter approximately monthly($5/one year, $2/student)

CITIZEN/LABOR ENERGY COALITION

600 W. Fullerton
Chicago, Illinois 60614
(312) 975-3680

CONTACT: Ken Rolling
ORGANIZATION SIZE: fifteen
annual budget-$370,000
TYPE OF ORGANIZATION: citizen group, coalition
PURPOSE & GOALS: organize a broad-based coalition for grassroots mobilization to implement policies for fair energy prices, economic health, safe energy

AREAS OF INTEREST: hydroelectric, passive solar, active dispersed solar, utilities, oil/natural gas, photovoltaics, all alternatives
THINGS THEY DO: national campaign to prevent shut-off of gas and electric utilities in winter (will become campaign for utility rate reform);national effort to prevent deregulation of natural gas; efforts to promote rapid commercialization of solar energy
SERVICES: speakers, resource material, organizing training(fee varies)
PUBLICATIONS: policies brochure, pamphlet for outreach

DEKALB AREA ALLIANCE FOR RESPONSIBLE ENERGY(DAARE)

P. O. Box 261
DeKalb, Illinois 60115
(815) 758-4263

CONTACT: Janet Razbadouski
ORGANIZATION SIZE: no staff(paid)--55 paid members
annual budget-contributions
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to work against nuclear power and for responsible energy
AREAS OF INTEREST: all alternatives to nuclear energy, safe, renewable resources
THINGS THEY DO: sponsor educational programs, show films, sponsor debates, have exhibits and a local electricity fast(local residents agreed to go without power or reduce usage to bring problems of nuclear power to the attention of the public), distribute literature, participate in protests and Illinois Safe Energy Alliance
SERVICES: small demonstration projects, speakers
PUBLICATIONS: newsletters(approximately 10/year)

ENERGY RESEARCH GROUP

University of Illinois
Urbana, Illinois 61801
(217) 333-7350

CONTACT: Bruce Hannon
ORGANIZATION SIZE: ten
annual budget-$250,000
TYPE OF ORGANIZATION: university group
PURPOSE & GOALS: to contract energy policy analysis, specializing in demand shift analyses, energy and labor cost assessment, economic-energy analyses of tehcnologies, spending programs, etc
AREAS OF INTEREST: all energy technologies as they pertain to energy policy, economic assessments
SERVICES: contract research and consultation

ENERGY RESOURCE CENTER

University of Illinois, Box 4348
Chicago, Illinois 60680
(312) 996-4490

CONTACT: Donald Bless, Librarian
Paul Galen, Research Engineer
ORGANIZATION SIZE: ten full-time, four part-time professionals
TYPE OF ORGANIZATION: university research
PURPOSE & GOALS: resolving energy problems current in Illinois; to develop academic, research and public service programs in Illinois concerning energy
AREAS OF INTEREST: solar, natural gas, coal, wind energy study, nuclear
THINGS THEY DO: model low-income winterization program; energy technology assessment in the Ohio River Basin; energy use patterns, work on impact of coal gasification plants, future transportation systems, energy efficiency in small industry, study of electrical power plant productivity
SERVICES: sponsor seminars and conferences on energy, nuclear power, coal, alternative energy, library, literature, informal consulting
PUBLICATIONS: "Illinois Energy Newsletter", bimonthly; proceedings of Illinois Energy Conferences, annually, "Midwest Energy Newsletter", bimonthly

THE HAWKWEED GROUP *

4643 North Clark Street
Chicago, Illinois 60640
(312) 784-5025

CONTACT: Rodney Wright, Architect
ORGANIZATION SIZE: eight
TYPE OF ORGANIZATION: consulting firm
PURPOSE & GOALS: to provide architectural/planning for alternative energy including solar, and energy conservation
AREAS OF INTEREST: solar, conservation
THINGS THEY DO: design and working drawings; manuals, workshops, reports; working on nearly 50 different solar projects; designs for thermal efficiency; plan short book on solar heating in the Midwest
SERVICES: do-it-yourself programs for educational institutions, speakers, technical studies, planning, design, consulting($25/hr. or % of construction cost or flat fee)

EDWARD HINES LUMBERING COMPANY *

200 South Michigan Avenue
Chicago, Illinois 60604
(312) 294-2025

TYPE OF ORGANIZATION: lumbering company
AREAS OF INTEREST: solar, insulation
THINGS THEY DO: offer brochures on do-it-yourself insulation and solar collectors
PUBLICATIONS: above and solar energy bibliography

ILLINOIS ENVIRONMENTAL COUNCIL

407 ½ East Adams Street
Springfield, Illinois 62701
(217) 544-5954

CONTACT: Sandra McAvoy, Executive Director
ORGANIZATION SIZE: 450 individual members, 60 environmental groups, representing 40,000, people; four staff
annual budget-$45,000
TYPE OF ORGANIZATION: citizen group

PURPOSE & GOALS: to lobby for effective environmental legislation in Illinois; to increase the influence of the environmental movement by coordinating activities of environmentalists throughout the state; to keep Illinois citizens informed about environmental issues and the actions of their legislators and administrators
AREAS OF INTEREST: deposit legislation, hazardous materials, trails, conservation
THINGS THEY DO: same as above
SERVICES: lobbying, organizing, speakers, workshops
PUBLICATIONS: newsletter(IEC News-$15/yr.), Environmental Voting Record; The Environment and the Candidates; The Point of No Returns

ILLINOIS INSTITUTE OF NATURAL RESOURCES

325 West Adams
Springfield, Illinois 62706
(217) 785-2800

CONTACT: same
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to promote the wise use and conservation of the state's natural resources; in energy, the objective is to promote efficiency and conservation while encouraging the development of indigenous supplies, especially coal and alternative energy
AREAS OF INTEREST: conservation, fossil fuel and alternate energy research; natural history, zoology, entomology and botany of the state; geology, water and weather as well as cultural and archeological history
THINGS THEY DO: research, assistance, cooperation with other states and local agencies, sponsor annual conference on the above areas; prepare energy contingency plans
SERVICES: studies, data collection and evaluation, workshops, conferences, library
PUBLICATIONS: send for list; other offices are located around the state(Urbana and Chicago)

INTERPRETIVE CENTER (formerly Visitor Center)

Starved Rock State Park
Utica, Illinois 61373
(815) 667-4906

CONTACT: Debbie Raymond, Park Interpreter
ORGANIZATION SIZE: one interpretive staff member
TYPE OF ORGANIZATION: state park
PURPOSE & GOALS: to be a source of information on trails, park history, natural features
AREAS OF INTEREST: conservation, education for environmental protection
THINGS THEY DO: installed a flat plate collector in the Center to serve as a demonstration model

KON STRUKTS *

Box 172
Carlyle, Illinois 62231
(618) 765-2445

CONTACT: Mike Jantzen, Designer
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: designers
PURPOSE & GOALS: to design and build solar-aided, well-insulated structures and to promote the idea of inventive solar structures; to sell these structures and the plans for them
AREAS OF INTEREST: solar, conservation
THINGS THEY DO: built own solar-heated and cooled home and a greenhouse home design; working on solar-heated greenhouse, passive solar business establishments, small solar homes
SERVICES: demonstration projects, speakers, plans for structures, consulting($20/hr.), building

OLIN BRASS, INC.

East Alton, Illinois 62024
(618) 258-2000

CONTACT: J.I.Barton, Marketing Manager, Solar-Bond Prod.
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture solar absorbers and heat exchangers
AREAS OF INTEREST: solar
THINGS THEY DO: product used for absorber plate in solar collectors, for heat exchangers and in solar systems; manufacture these to desired tubing pattern and size
PUBLICATIONS: promotional literature on products

POLLUTION & ENVIRONMENTAL PROBLEMS, INC.

Box 309
Palatine, Illinois 60067
(312) 381-6695

CONTACT: Catherine Quigg, Research Director
(838 Harriet Lane, Barrington, IL 60010)
ORGANIZATION SIZE: no paid staff, 100 members
TYPE OF ORGANIZATION: non-profit citizen group
PURPOSE & GOALS: education in all environmental issues, at this time especially nuclear power and clean energy
AREAS OF INTEREST: anti-nuclear, proponents of solar, wind and conservation
THINGS THEY DO: PEP holds public meetings; does press releases, publications; has worked with state legislature on nuclear moratorium, state's veto rights; is researching spent fuel storage hazards; has sponsored solar forum, energy meetings, exhibits
SERVICES: free public meetings, exhibits, speakers, ($25 donation), information bank, informal consultation and free information(enclose stamps)
PUBLICATIONS: quarterly newsletter(PEP-Talk)$6/yr., original research reports on nuclear power, the effects of radiation($3 each); send for free listing

PRAIRIE ALLIANCE

P. O. Box 2424, Sta. A
Champaign, Illinois 61820

CONTACT: Dale Tolliver
ORGANIZATION SIZE: one staff
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to oppose nuclear power, nuclear weapons, and hard-path energy strategies, specifically the Clinton nuclear plants, and to promote energy conservation and a local soft-path energy future
AREAS OF INTEREST: utilities, anti-nuclear
THINGS THEY DO: presentation to Rural Electric Co-op boards on nuclear power, ordinance to ban radioactive waste transport, intervention in nuclear utility rate case, numerous educational activities and demonstrations
SERVICES: Prairie Foundation for alternate energy studies does contract research on nuclear power and energy conservation and alternate energy

ROCK VALLEY DEFENDERS *

Rock Valley College
3301 North Mulford Road
Rockford, Illinois 61101
(815) 226-3705

CONTACT: Stephen J. Eytalis, Steven H. Ved
ORGANIZATION SIZE: two
annual budget-varies
TYPE OF ORGANIZATION: university organization
PURPOSE & GOALS: to organize community activities to promote energy conservation and demand nuclear responsibility
AREAS OF INTEREST: anti-nuclear, fossil fuels, solar and all forms of energy and alternatives
THINGS THEY DO: held "Energy Fair" in 1976; forum on all topics with exhibits, workshops; lobbying, speakers, consulting

SANGAMON STATE UNIVERSITY *

Physical Sciences Department-Solar Project
Springfield, Illinois 62703
(217) 786-6630

CONTACT: Al Casella, Coordinator
PURPOSE & GOALS: to conduct research and projects on solar energy under grants and special programs
AREAS OF INTEREST: general solar, conservation, nuclear(course called the Nuclear Dilemma), education
THINGS THEY DO: built geodesic dome using solar energy; project assessing the impact of solar energy on Illinois energy budget; built solar heating system; program on energy for high school teachers
SERVICES: demonstration projects, speakers, workshops, exhibits, films, networking, consulting
PUBLICATIONS: reports on projects(usually $3)

SHEAFFER & ROLAND, INC.

130 North Franklin Street
Chicago, Illinois 60606
(312) 236-9106

CONTACT: John Martin, Alan Richmond
ORGANIZATION SIZE: fifty
annual budget-$3 million
TYPE OF ORGANIZATION: planning, design and engineering
PURPOSE & GOALS: economic and environmentally sound solutions through comprehensive resources management
AREAS OF INTEREST: energy conservation, solar, solid wastes, anaerobic digestors/methane generation, alcohol production
THINGS THEY DO: offer services to architects, engineers, individuals, farmers and companies and government agencies concerned with the areas above, and water conservation/water resources management
SERVICES: consulting($50/hr.), referrals, design, planning and management

SHELLEY RADIANT CEILING COMPANY, INC. *

456 West Frontage Road
Northfield, Illinois 60093
(312) 446-2800

CONTACT: William Shelley, President
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: manufacturer, engineers

PURPOSE & GOALS: to produce radiant heating and cooling panels for hydronic systems; solar collector plates and solar collector assembly
AREAS OF INTEREST: research and development for a cost-effective design solar collector and for low-cost selective coating
THINGS THEY DO: manufacture panels; offer collector plates for sale
SERVICES: technical studies, manufacturing, design, consulting, technical requests answered

SHELTER LAB ONE *

7347 South Paxton Street
Chicago, Illinois 60649
(312) 236-5739

TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to work on developing an "ecologically viable shelter"
AREAS OF INTEREST: aquaculture, hydroponics, energy conservation
THINGS THEY DO: in spare time run three projects- hydroponic and aquaculture experiment, study of energy used in construction and running of average American home, construction of fiberglass geodesic dome

A. O. SMITH CORPORATION

P. O. Box 28
Kankakee, Illinois 60901
(815) 933-8241

P. O. Box 28, Kankakee, IL 60901

CONTACT: R.E.Jones
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture active solar domestic hot water heaters
AREAS OF INTEREST: active dispersed solar
SERVICES: through district managers--can provide films, speakers, exhibits, workshops on individual or collective basis
PUBLICATIONS: various spec sheets for domestic hot water heaters, solar glossary, questionnaires for thermal analysis and economic payback

SOLAR-RAY SYSTEMS, INC. T.M.

5431 N. Galena Rd.
Peoria, Illinois 61614
(509) 686-1900

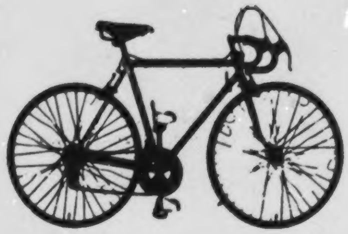
(P. O. Box 277
Peoria, IL 61650)

CONTACT: Shiree Vaughn, President
ORGANIZATION SIZE: 17-21
TYPE OF ORGANIZATION: product distributor, citizen group(ISA--Illinois Solar Association)
PURPOSE & GOALS: to distribute energy related products to industry, business, consumers; to educate on energy products; save natural resources
AREAS OF INTEREST: solar, wood, wind, utilities, water conservation, passive solar
THINGS THEY DO: solar water installation, solar space heating installation, swimming pool, grain drying and three church space heating installations; founded Illinois Solar Assocation; building three solar houses to be used for demonstrations, seminars and workshops; lobbying
SERVICES: architecture and engineering, consulting (fees vary), library of films, slides, photos, literature; small models of working systems are on display; provide exhibits, workshops; certified energy-related speakers
PUBLICATIONS: Illinois Solar Association Bulletin (sent to members every six weeks); Energy Product Catalog(April, 1980)

SOLEQ CORPORATION

5969 North Elston Avenue
Chicago, Illinois 60646
(312) 792-3811

CONTACT: S. Ohba, Engineer
ORGANIZATION SIZE: six staff
annual budget-$300,000
TYPE OF ORGANIZATION: manufacture
PURPOSE & GOALS: development of power inverter system
AREAS OF INTEREST: primarily wind, fuel cells, some hydroelectric for development of suitable hardware
THINGS THEY DO: working on multi-stage power inverters for windmill and hydro generators; plan to develop control logic for windmill power system
SERVICES: product development for systems development companies; will respond to informational requests from the public



UNIVERSITY ENERGY GROUP

Governors State University
Park Forest South, Illinois 60466
(312) 534-5000 x2455

CONTACT: Bethe Hagens, Jim Laukes, William Wickersham
ORGANIZATION SIZE: eight + volunteers
TYPE OF ORGANIZATION: working committee within the university appointed by the President
PURPOSE & GOALS: to provide tangible examples of energy efficient planning and management for local community audiences through experiments on campus buildings; coordinated information and service outreach to individuals, schools, businesses, municipalities and others in the midwest; special courses and events for all sectors of the south Chicago population
AREAS OF INTEREST: alternative energy sources, community economic development, environmental land use planning, media communications, appropriate technology, lighting
THINGS THEY DO: conferences, films, publications, networking, courses, building(passive and active solar greenhouses and retrofits), policy planning and evaluation
SERVICES: regional energy alternative/appropriate technology reference collection, film series, monthly news bulletin, referrals, speakers, workshops (solar greenhouses, publications, community planning), engineering assistance
PUBLICATIONS: Outlook (formerly Acorn), monthly newsbulletin ($6/yr. individual, $10 for institutions); "grab bags"--beginner ($5) and advanced ($20) on alcohol, greenhouses, regional energy contacts

Indiana

ALTERNATIVE TECHNOLOGIES ASSOCIATION, INC.

P. O. Box 20571
Indianapolis, Indiana 46220
(317) 784-7744

CONTACT: C.L.Warren, Dennis Weston, Jean Warren
ORGANIZATION SIZE: 60 members
annual budget-membership dues-$600
contributions-$2000
TYPE OF ORGANIZATION: nonprofit citizen group
PURPOSE & GOALS: to establish a center for a library, experimentation and demonstration of projects related to appropriate technology
AREAS OF INTEREST: working in most areas of alternative technologies as related to architecture, agriculture, transportation, and education
THINGS THEY DO: offer bimonthly newsletter, have constructed a solar collector for domestic hot water system, hold monthly membership meetings; plan low cost, labor-intensive projects
SERVICES: demonstration projects, consulting, library, workshop(free to members, non-members pay expenses)
PUBLICATIONS: newsletter provided by Breakthrough Plus 40

INDIANA OFFICE OF COMMUNITY SERVICES ADMINISTRATION

20 North Meridian, Suite 210
Indianapolis, Indiana 46204
(317) 232-7000

CONTACT: Jean Merritt, Executive Director
Jim Williams, Deputy Director
Dick Heupel, Assistant Director
ORGANIZATION SIZE: 55
annual budget-$48 million
TYPE OF ORGANIZATION: government agency, weatherization
PURPOSE & GOALS: to advise and assist the Governor and Grantees on anti-poverty matters; to coordinate State anti-poverty activities; to provide assistance to state and local agencies in connection to Title II programs of CSAct of 1974; to mobilize state resources; to provide technical assistance to CSA grantees
AREAS OF INTEREST: weatherization, fuel assistance
THINGS THEY DO: operate a program funded by the state and federal HEW and CSA to assist low-income persons pay fuel bills
SERVICES: upon request---provide workshops on energy-related training; small library
PUBLICATIONS: "Achiever", semi-annual publication of OCSA activities; various brochures on programs

WIND POWER DIGEST *

54468 CR 31
Bristol, Indiana 46507
(no phone)

CONTACT: Michael Evans, Editor/Publisher
ORGANIZATION SIZE: five
annual budget-$35,000
TYPE OF ORGANIZATION: small publisher
PURPOSE & GOALS: to provide a centralized source of information on the varied applications of wind energy
AREAS OF INTEREST: wind energy
THINGS THEY DO: publishing a wind power access catalog; reprint book of selected articles
SERVICES: demonstration projects, speakers, workshops, exhibits, consulting($10/hr. plus costs), slide presentations($50/day with speaker)
PUBLICATIONS: Wind Power Digest, quarterly,($6/yr. US, $9, Canada, $16 elsewhere)

Iowa

CHRISTIANS F.O.R. A JUST SOCIETY

809 Dodge
Dubuque, Iowa 52001
(319) 583-2750

CONTACT: Paul Fuerst
ORGANIZATION SIZE: no paid staff
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: through prayer, education, and action, they hope to bring about a non-nuclear future
AREAS OF INTEREST: utilities, alternatives to nuclear
THINGS THEY DO: petitioning City Council to pass their proposed ordinance to regulate nuclear materials through the city of Dubuque active in Mobilization for Survival action, especially to convert the nuclear plant at Polo, Iowa; planning to resist the nuclear plant to be built at Savannah, Illinois
SERVICES: three monthly meetings(first, second, & third Tuesdays), speakers, demonstrations against nearby nuclear plants; regional F.O.R. conference planned for October 5-7 in Frontenac, Minnesota

CITIZENS UNITED FOR RESPONSIBLE ENERGY(CURE)

3500 Kingman Blvd.
Des Moines, Iowa 50311
(515) 277-0253

CONTACT: Martha Hock, Executive Director
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: nonprofit citizen group
PURPOSE & GOALS: to work for the adoption of energy conservation laws and practices, to encourage the utilization of solar and other renewable fuels, to delay the licensing of nuclear power plants until the safety and economic issues are resolved, to encourage citizen participation in energy policy making
AREAS OF INTEREST: wind, wood, methane and other biomass, passive and active dispersed solar, utilities
THINGS THEY DO: lobbying--presently involved in a series of solar/conservation workshops around the state; a part of the Iowa Solar Coalition, Citizen/Labor Energy Coalition; and Utilities Winter Shut-Off Moratorium; information/referral center
SERVICES: above, consultation services, speakers bureau(fees include travel and/or honoraria), filmstrips, slide shows
PUBLICATIONS: CURE Currents, newsletter($5/yr.), brochures-"Solar Energy in Iowa", resource lists

COMMUNITY ACTION RESEARCH GROUP OF IOWA, INC.

P. O. Box 1232
Ames, Iowa 50010
(515) 292-4758

CONTACT: Skip Laitner
ORGANIZATION SIZE: six staff
TYPE OF ORGANIZATION: nonprofit consulting and advocacy group for the Midwest region
PURPOSE & GOALS: to encourage the use of clean renewable energy resources to meet area needs; to catalyze the effective participation of citizens in decision-making
AREAS OF INTEREST: appropriate technology, solar, conservation, legal and economic barriers
THINGS THEY DO: litigate, draft legislation, represent and advise citizen groups in legal and technical areas; research
SERVICES: conferences, lobbying, consulting, litigation
PUBLICATIONS: periodic reports and testimony on energy issues

FREE ENVIRONMENT

Activities Center, I.M.U.
Iowa City, Iowa 52242
(319) 353-3888

CONTACT: Karen Syea Johnson, Hans Kairies
ORGANIZATION SIZE: 12 paid staff, 40+ members
TYPE OF ORGANIZATION: university, citizen group
PURPOSE & GOALS: "Free Environment is dedicated to the preservation, protection and rational use of the earth, and is organized for educational and research purposes to promote these goals."
AREAS OF INTEREST: wind, wood, alcohol fuels, methane and other biomass, coal, passive solar, photovoltaics, utilities, anti-nuclear, lobbying
THINGS THEY DO: current energy projects-----seminars in methods of lobbying, solar energy, Black Hills Alliance, run signature gathering drive on a petition that customers should not have to pay costs of the 8-month Duane Arnold shut-down, Sun Day preparation, various film showings, educational activities
SERVICES: resource library and files, films, speakers, writing on energy issues
PUBLICATIONS: "Free Environment Newsbriefs", monthly tabloid($2/yr. by mail)

IOWA DEPARTMENT OF ENVIRONMENTAL QUALITY

Henry A. Wallace Building
900 East Grand
Des Moines, Iowa 50319
(515) 281-8690

CONTACT: Larry Crane, Executive Director
ORGANIZATION SIZE: 183
annual budget-$5 million
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to develop and carry out comprehensive plans aimed towards prevention and abatement of environmental problems within Iowa
AREAS OF INTEREST: air quality
THINGS THEY DO: enforce existing pollution control laws, conduct environmental studies, distribute environmental information
SERVICES: library, planning(data available to public)

IOWA ENERGY POLICY COUNCIL

Capitol Complex
Des Moines, Iowa 50319
(515) 281-4420

CONTACT: Dr. Edward J. Stanek, Director
ORGANIZATION SIZE: 12 members
annual budget-$230,000
TYPE OF ORGANIZATION: statutory state agency
PURPOSE & GOALS: to keep citizens informed about energy issues and problems; to act as energy advisors to the Governor and General Assembly of Iowa
AREAS OF INTEREST: conservation, research, new sources of energy, data and information, fuel management, legislation

THINGS THEY DO: energy management and conservation activities, grants, publications, public speaking, special studies, awards
SERVICES: literature, consulting, referrals
PUBLICATIONS: Iowa Energy Bulletin, newsletter, monthly no charge; special reports on solar; consumer publications; conservation activity packets for elementary education teachers($10/set); conservation in transportation

METZ ELECTRONICS *

725 Climer Street
Muscatine, Iowa 52761
(319) 263-1394

CONTACT: David Metz, partner; Dean Stange, partner
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: consulting/engineering
PURPOSE & GOALS: "to earn a living and thus keep ourselves off the public dole"
AREAS OF INTEREST: bioconversion, wind, methane, conservation technologies
THINGS THEY DO: designing a rural power distribution system; manufacture broadcast and industrial radio systems
SERVICES: some consulting, estimates, library

Kansas

APPROPRIATE TECHNOLOGY GROUP *

Route 1, Box 93-A
Oskaloosa, Kansas 66066
(913) 597-5603

CONTACT: Steve Blake, Coordinator
TYPE OF ORGANIZATION: nonprofit educational research group
PURPOSE & GOALS: to implement the development of wind energy in newly industrializing areas of the world
AREAS OF INTEREST: primarily wind applications for upgrading water and electrical systems
THINGS THEY DO: have designed, constructed and tested sail windmill and Savonius rotors with the Brace Institute and Windworks; have interfaced numerous wind turbines with utility grids using synchronous inverters(gemini)
SERVICES: workshops for people going oversea to developing countries showing them how to construct several types of wind machinery; some consulting; workshops on construction of solar water heaters for communities in the Midwest

CENTER FOR RURAL AFFAIRS/ELECTRIC UTILITY RESEARCH PROJECT

740½ Massachusetts
Lawrence, Kansas 66044
(913) 843-7151

CONTACT: Ron Henricks, Bob Pauley
ORGANIZATION SIZE: three
annual budget-$100,000
TYPE OF ORGANIZATION: nonprofit research group
PURPOSE & GOALS: to address the issues which affect family farmers and the rural poor
AREAS OF INTEREST: utilities
THINGS THEY DO: (funded by CSA)-determine how the rural sector(especially low-income) is affected by and can affect electric utility issues(focus is Iowa, Kansas, Missouri, Nebraska)
SERVICES: speakers, some technical assistance

GREAT PLAINS WINDUSTRIES

5130 Mission Road
Shawnee Mission, Kansas 66205
(913) 362-5932

CONTACT: William H. Ward
ORGANIZATION SIZE: 200 members
annual budget-$1,000
TYPE OF ORGANIZATION: nonprofit community
PURPOSE & GOALS: to promote wind energy development and to assess wind energy policy
AREAS OF INTEREST: wind, energy policy
THINGS THEY DO: education, research, monitor state and federal policy
SERVICES: speakers, consulting

N.E.K. - C.A.P., INC.
113 EAST EIGHTH STREET
HORTON, KANSAS 66439
913/486-2154

Northeast Kansas Community Action Program

CONTACT: Jack Shaefer, Bill Thomas, Larry Mai
ORGANIZATION SIZE: 28
annual budget-$400,000
TYPE OF ORGANIZATION: nonprofit, federally-funded
PURPOSE & GOALS: weatherization of low-income housing and community help in energy-related problems
AREAS OF INTEREST: passive solar, wood, weatherization, insulation, building and architecture
THINGS THEY DO: building solar collector units to supplement low-income space heating; energy conservation education; utilization of solar energy
SERVICES: technical assistance, reference material on construction and alternative energy ideas; speakers on management and techniques of weatherization

Kentucky

APPALACHIA-SCIENCE IN THE PUBLIC INTEREST

P. O. Box 298
Livingston, Kentucky 40445
(606) 453-2315

CONTACT: Al Fritsch
ORGANIZATION SIZE: five full-time, interns, volunteers
TYPE OF ORGANIZATION: nonprofit citizen research/advocacy group
PURPOSE & GOALS: to research and report on, and seek remedial actions concerning strip-mining in Appalachia andthe impacts of coal mine blasting, coal-hauling and flood damage; also to promote the concepts of simple lifestyle in the area as an alternative to heavily consumptive lifestyles.
AREAS OF INTEREST: coal mining and related impacts; lifestyle, environmental protection, nuclear power, solar, conservation, appropriate technology
THINGS THEY DO: have sponsored an Appalachian conference on stripmine blasting issues and water pollution; investigating the relationship of strip-mining to flood problems; developed model technical resource center and monitor the enforcement of strip mine control laws in region
SERVICES: conferences, speakers, workshops, networking
PUBLICATIONS: monthly "Citizen's Appalachia" Fact Sheets, several books on lifestyle, conservation and coal mine development(for books, write Citizens' Energy Project, 1110-6th St. NW 8th fl. Washington, D.C. 20001)

Louisiana

Maine

FLORA G. ABBOT RESEARCH FOUNDATION, INC.

Box 34
South Waterford, Maine 04081
(207) 583-4738

CONTACT: Terry Hodges
ORGANIZATION SIZE: ten
annual budget-$10,000
TYPE OF ORGANIZATION: citizen group, producer cooperative
PURPOSE & GOALS: local economic development for disadvantaged citizens; winning power for the poor; to publish the "Waterford Almanac of New & Old Ideas"
AREAS OF INTEREST: alcohol fuels, passive solar, solid wastes, woodfired kiln designs, hand laundries for small neighborhoods
THINGS THEY DO: cordwood building construction, composting toilet design, woodstove installation, safety education and inspection, food cooperative development, water quality surveys
SERVICES: all above, consulting($50/day or $20/hr., plus delivery, handling charges based on materials and labor-$5/hr.)
PUBLICATIONS: intend to publish almanac--see above

MAINE AUDUBON SOCIETY
ALTERNATIVE ENERGY NETWORK

Gilsland Farm
118 Old Route One
Falmouth, Maine 04105
(207) 781-2330

CONTACT: Alan Lishness, Energy Dept. Director
ORGANIZATION SIZE: 30 full-time, interns, volunteers
annual budget-$4000,000
TYPE OF ORGANIZATION: nonprofit educational and environmental group
PURPOSE & GOALS: to promote the wise use of environmental resources
AREAS OF INTEREST: Alternate Energy Network, conservation, solar, wood
THINGS THEY DO: curriculum development program, wood fuel management program, education projects, offices in completely solar/wood 5,500 sq. foot building
SERVICES: nature centers, field trips, sanctuaries, networking, literature, library, courses, conferences, slide programs
PUBLICATIONS: books and pamphlets on energy, bioconversion, retrofitting, write for listing

MAINE ENERGY ACTION COALITION

72 Winthrop Street
Augusta, Maine 04330
(207) 622-5798

CONTACT: Lance Tapley, Joan Sturmthal
ORGANIZATION SIZE: two volunteers
annual budget-$3,000
TYPE OF ORGANIZATION: citizen group, broad-based coalition
PURPOSE & GOALS: to provide public education on conserving energy, energy development; to promote energy conservation and development of legislation to represent the public interest in regulatory proceedings
AREAS OF INTEREST: passive and active dispersed solar, wind, wood, alcohol fuels, coal, hydroelectric, solid wastes, utilities, oil/natural gas
THINGS THEY DO: sponsored energy conference for state legislators, press and the public to inform about energy bills they are sponsoring in this session of the legislature
SERVICES: provide speakers, workshops

MAINE OFFICE OF ENERGY RESOURCES *

55 Capitol Street
Augusta, Maine 04330
(207) 289-2195

CONTACT: Abbie Page, Director
Vincent DiCara, Education/Consumer Affairs Coordinator
ORGANIZATION SIZE: nine full-time, two part-time
annual budget-$200,000
TYPE OF ORGANIZATION: state energy agency
PURPOSE & GOALS: to prepare an energy resources plan; to prepare a state energy policy; to encourage energy conservation; provide planning and technical assistance to public groups; to encourage and direct programs and experiments in alternate energy
AREAS OF INTEREST: conservation, tidal, fossil fuels, wind, wood, nuclear, solid wastes, bioconversion
THINGS THEY DO: set up Energy Action Center; sponsored Maine Energy Conservation month
SERVICES: demonstration projects, library, speakers, workshops and exhibits, planning, literature
PUBLICATIONS: "Maine Energy", newsletter; "Organizing School Energy Contest"; send for listing

MASONRY STOVE GUILD/MAINE WOOD HEAT CO.

RFD 1, Box 38
Norridgewock, Maine 04957
(207) 696-5442

CONTACT: Albie Barden
ORGANIZATION SIZE: two
annual budget-sales-$70,000
gross income-$5,600
TYPE OF ORGANIZATION: manufacturer/retailer, individual
PURPOSE & GOALS: to sell high quality wood heat equipment and publish masonry stove guild newsletter
AREAS OF INTEREST: wood heat/energy
THINGS THEY DO: research, review of high quality wood stoves, hold workshops in building masonry heaters
SERVICES: consulting, exhibits, occasional workshops, speakers
PUBLICATIONS: writing a book on masonry heaters for Rodale Press,Emmaus, PA, newsletter

MERRY MUSIC BOX-STYRIA DEPARTMENT *

20 McKown Street
Boothbay Harbor, Maine 04538
(207) 633-2210

CONTACT: Danilo Konvalinka, President/Owner
Douglas Henderson, Publications Manager
ORGANIZATION SIZE: six+
TYPE OF ORGANIZATION: distributor
PURPOSE & GOALS: to promote the Styria wood stoves imported from Austria(as well as sell antique music boxes and other musical items)
AREAS OF INTEREST: wood energy
THINGS THEY DO: sell these stoves; have lived in central Maine in 32-room house heated only by these stoves which are also used for cooking
SERVICES: sales and service of this wood stove
PUBLICATIONS: illustrated catalog of stoves($1)

SOL-AIR DESIGNS

Sylvandale
Etna, Maine 04434
(no phone)

CONTACT: Harvey Lorber(can be contacted at University of Maine-(207) 947-4930); Gloria Banach
TYPE OF ORGANIZATION: husband & wife doing research in alternative energy and shelter design
PURPOSE & GOALS: to develop a basic means of integrating labor-intensive techniques into personal community design; to encourage individual participation in shelter design/construction and low-cost energy use in life-support systems
AREAS OF INTEREST: energy conservation in building construction, active and passive solar, wood, methane, bioconversion, wind, hydroelectric
THINGS THEY DO: working with Maine Organic Farmers Association; completing construction of integrated alternative energy addition to their home; consulting on design of owner-built, low-cost solar/wood water heater for domestic use; working on vertical axis windmill design to meet electricity needs
SERVICES: provide some workshops and speaking engagements, consulting(negotiated fee), personal visits are answered(for labor exchange or negotiated fee)

STATE PLANNING OFFICE *

184 State Street
Augusta, Maine 04333
(207) 259-3261

CONTACT: Philip Harris, Director, Technical Services
ORGANIZATION SIZE: ten staff
TYPE OF ORGANIZATION: state office
PURPOSE & GOALS: to coordinate the state's physical, social and economic planning activities
AREAS OF INTEREST: low-cost, energy-efficient systems
THINGS THEY DO: have developed an ongoing vehicle for banks, designers, federal/state agencies and builders to explore and build low-cost, energy-efficient housing
SERVICES: networking among government agencies in Maine, library, data

TASK FORCE ON HUMAN NEEDS

12 Park Hill Avenue
Auburn, Maine 04210
(207) 786-2481

CONTACT: Richard Jensen, Director, Energy Programs
ORGANIZATION SIZE: seventeen(energy programs)
annual budget-$240,000(energy only)
TYPE OF ORGANIZATION: private, nonprofit agency
PURPOSE & GOALS: to serve and meet the social needs of their community
AREAS OF INTEREST: wood, methane, passive solar, utilities(energy department is young)
THINGS THEY DO: weatherization, home repair, chimney cleaning, building salvage, wood-for-fuel(past program), housing rehabilitation
SERVICES: housing advocacy

TRANET

Box 567
Rangeley, Maine 04970
(207) 864-2252

CONTACT: William Ellis, Margaret Ellis, Rob Buntz
ORGANIZATION SIZE: four
annual budget-$75,000
TYPE OF ORGANIZATION: association of appropriate technology centers
PURPOSE & GOALS: to stimulate bilateral exchanges among the A.T. centers of the world, to promote dialogue on the A.T. concepts among world leaders
AREAS OF INTEREST: general--energy and appropriate technology
THINGS THEY DO: publish quarterly newsletter-directory on A.T. related activities and organizations, provide services to the World Bank, OECD, AID and other development organizations interested in identifying A.T. practitioners, to arrange exchanges between A.T. centers, to arrange citizen demonstrations and panels for UNCSTD
SERVICES: consulting($225/day for development organizations, less for nonprofit organizations, schools and citizen groups); report research and writing, designed exhibits, analyzed projects, recommended new A.T. programs, lead workshops
PUBLICATIONS: "Relevance of A.T. Developments in the U.S. to the Third World"($7.50), quarterly newsletter/membership($15 to A.T. practitioners in the Third World, $100 organizations, $25 public libraries)

WASHINGTON-HANCOCK COMMUNITY ACTION

Corner of Mason and Center
Machias, Maine 04654
(207) 255-3883

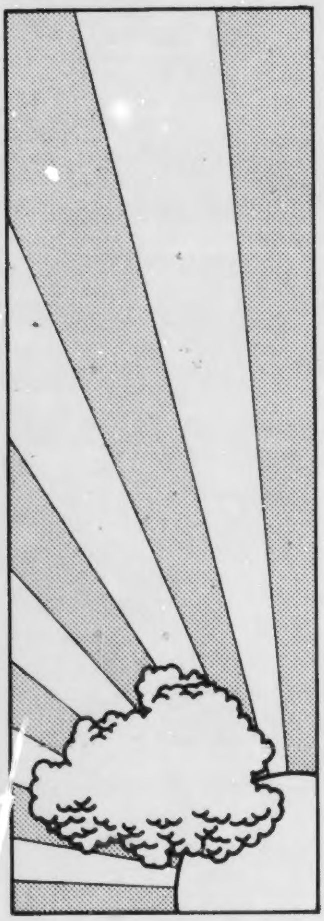
CONTACT: Mary Dennison, Peter Bacon, Bo Yerxa(Housing and Energy Division)
ORGANIZATION SIZE: eight permanent, 20 CETA employees in Housing & Energy Program
annual budget-$300,000
TYPE OF ORGANIZATION: citizen group, nonprofit, locally-sponsored community action project
PURPOSE & GOALS: to alleviate the root causes of poverty and to provide self-help opportunities and services to economically disadvantaged
AREAS OF INTEREST: wind, wood, alcohol fuels, solid wastes, passive solar, low-cost indigenous housing, energy-efficient "mass" transportation suitable for rural areas, utilities, oil/natural gas
THINGS THEY DO: utilize funds from CSA, DOE, DOL and FmHA to winterize and repair the homes of the low-income elderly residents of their area thus reducing energy need and expenses; have a housing service and energy resource center; initiated a project(CETA) to construct window-box solar heaters for the homes of low-income residents(juveniles will be trained in construction); designed and built an extremely low-cost and energy-efficient home which is affordable via FmHA 1% loan for a family of four with an income of only $7000 annually
SERVICES: hold workshops on wood heat, energy-efficient, low-cost housing design and construction and related issues(WHCA has other projects in addition to the Housing and Energy Program)

WESTERN MAINE ENERGY CENTER

Dill House UMF Farmington, ME 04938

(207) 778-4944 or 778-3501, Ext. 327

CONTACT: Peter Thibeault, Project Director
ORGANIZATION SIZE: three full-time staff
TYPE OF ORGANIZATION: Community Action Agency/university
PURPOSE & GOALS: energy conservation and renewable energy education
AREAS OF INTEREST: solar, wood, conservation, appropriate technology, non-renewable resource depletion
THINGS THEY DO: produce edcuational packages; research
SERVICES: energy audits, workshops, library, speakers
PUBLICATIONS: "End of Fossil Fuels Era", "Solar Food Drying", "Firewood Dealers", and two dozen pamphlets on conservation, solar and wood energy



ZEPHYR WIND DYNAMO *

ZEPHYR Wind Dynamo Company

P. O. Box 241
Brunswick, Maine 04011
(207) 725-6534

CONTACT: Richard Vaglia
ORGANIZATION SIZE: six
TYPE OF ORGANIZATION: design and manufacturing
AREAS OF INTEREST: design, development, and production of direct drive, very low speed alternators
THINGS THEY DO: manufacture and market 1.5KW and 15KW direct drive alternators for use in wind powered systems
SERVICES: design, sales, consulting
PUBLICATIONS: owners manual for alternators($5.50), descriptive brochures on alternators

Maryland

APPLIED SOLAR TECHNOLOGY, INC(ASTEC) *

9401 Seminole Street
Silver Spring, Maryland 20901
(301) 587-7900

CONTACT: Frank Wilkins, President
Henry Anderson, Contract Manager
ORGANIZATION SIZE: eight
TYPE OF ORGANIZATION: architectural and engineering firm
PURPOSE & GOALS: specializing in solar energy and energy related measures
AREAS OF INTEREST: solar, fossil fuels, wood, wind, some methane and ocean thermal
THINGS THEY DO: designed a solar development in Maryland using hot air flat plate collectors; plan various solar projects, architectural studies of solar concentrators and vapor jet solar powered air conditioning system
SERVICES: planning and design, demonstration projects, studies, consulting(all fees are negotiable)

BIENERGY ORGANIZERS, INC.

BIO-GAS PLANT CONSULTANTS
P. O. BOX 5715
BALTIMORE, MD. 21208

BIO GAS

(301) 484-8913

CONTACT: Paul W. Gibson
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: consultant
PURPOSE & GOALS: to design and oversee construction of methane disgestor systems
AREAS OF INTEREST: methane and alcohol production

THINGS HE DOES: develop energy conservation systems--particularly systems which take animal wastes and turn them into methane gas; work toward agricultural waste management, and energy and fertilizer production
SERVICES: consulting, development of systems, feasibility studies for farm and industry; plan, specify and prepare engineering
PUBLICATIONS: brochures

BUSINESS PUBLISHERS, INC. *

Box 1067, Blair Station
Silver Spring, Maryland 20919
(301) 587-6300

CONTACT: Allan L. Frank, Senior Editor
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: newsletter publisher
PURPOSE & GOALS: to publish on varying topics for dissemination of information
AREAS OF INTEREST: oil, gas, coal, methane, wind, wood, solar theory, bioconversion, conservation, nuclear
THINGS THEY DO: publish newsletters on above topics on all levels
PUBLICATIONS: "Energy Resources Report", weekly, $175/yr.; "Solar Energy Intelligence Report", weekly, $90/yr.

FOUNDATION FOR SELF-SUFFICIENCY, INC. *

Central Maryland Foundation Research Center
35 Maple Avenue
Catonsville, Maryland 21228
(301) 747-6287

The foundation has two decentralized branches:
Western Maryland
3-Springs Fisheries
Lilly Pons, Maryland 21717
Contact-Ken Neils

Eastern Maryland
Science Department
Anne Arundel Community College
Arnold, Maryland 21012
Contact-Ted Suman

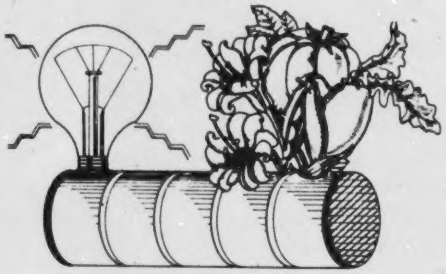
CONTACT: Central-Greg Welsh-President
Ed Kavn, Vice-President
ORGANIZATION SIZE: volunteers-11; 100 paid members
annual budget-under $2,000
TYPE OF ORGANIZATION: nonprofit research
PURPOSE & GOALS: research and educational; to conduct research into various food and energy production alternatives(appropriate technology) and to make the findings available to the public
AREAS OF INTEREST: solar, wind, aquaculture, hydroponics, agriculture, organic gardening, solar greenhouse design, biological pest control
THINGS THEY DO: research, demonstration projects, solar collector design, experiments in aquaculture, low-technology windmill designs; have their own fish farms, windmills and solar collectors; companion planting and other organic gardening techniques

SERVICES: speakers, literature, slide shows, informal consulting, free information
PUBLICATIONS: newsletter($5/yr., student; $12/yr., individual; $20/yr., family), books and pamphlets

PUBLIC SERVICE COMMISSION OF MARYLAND

American Building
231 E. Baltimore Street
Baltimore, Maryland 21202
(301) 383-2374

CONTACT: Ronald E. Hawkins, Executive Director
ORGANIZATION SIZE: 113
annual budget-$4 million
TYPE OF ORGANIZATION: state regulatory agency
PURPOSE & GOALS: to exercise regulatory jurisdiction over public utilities and intrastate common carriers
AREAS OF INTEREST: fossil fuels, nuclear
THINGS THEY DO: public audits of utilities, inspecting facilities, answers complaints, contests as a quasi-judicial agency
SERVICES: speakers available on a limited basis



SOLAR COMFORT SYSTEMS MANUFACTURING

311 Mt. Vernon Place
Rockville, Maryland 20852
(301) 424-1362

CONTACT: David DeRiemer, Rich Heller
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to make available to the public the highest quality solar heat equipment at the lowest possible price
AREAS OF INTEREST: active solar, photovoltaics
THINGS THEY DO: setting up manufacturing plant to produce lower cost collectors of our new design; have sent out mailings over the entire U.S. regarding domestic hot water systems and space heating systems in pre-sized kits for homeowner or contractor installation; currently setting up nationwide installation and dealer network
SERVICES: consulting(fees vary with time required), speakers(fees vary with time and location), participate in free or low cost exhibits and shows
PUBLICATIONS: system kit literature available for $2 for domestic hot water kit systems and space heat systems and for residential, commercial and industrial buildings; for $3 someone may receive all the above plus be placed on a permanent mailing list for future product brochures and listings

SOLAR ENERGY INTELLIGENCE REPORT

Box 1067, Blair Station
Silver Spring, Maryland 20910
(301) 587-6300

CONTACT: Allan L. Frank
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: weekly newsletter on federal, state, local, foreign government, business, university research activities
AREAS OF INTEREST: wind, wood, alcohol fuels, methane and other biomass, passive solar, active dispersed solar, photovoltaics, utilities, heating, cooling, OTEC, solar thermal
PUBLICATIONS: Solar Energy Intelligence Report, published every Monday, $90/year, 10 pages

SOLARTHERM

1110 Fidler Lane, Suite 1215
Silver Spring, Maryland 20910
(202) 882-4000

CONTACT: Dr. Carl Schleicher
ORGANIZATION SIZE: eight
annual budget-$175,000
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to research, develop and market low-cost efficient solar energy systems and to conduct research on other alternative energy systems
AREAS OF INTEREST: high-temperature solar, conservation, solid wastes, some tidal and methane systems
THINGS THEY DO: produce solar energy systems; working on a concentrator collector system; wind/solar combined system and bioconversion process for municipalities
SERVICES: speakers, workshops, exhibits, library, literature and technical reports, consulting ($100-200/day), will answer general questions

VOLUNTEERS IN TECHNICAL ASSISTANCE(VITA) *

3706 Rhode Island Avenue
Mt. Ranier, Maryland 20822
(301) 277-7000

CONTACT: communications department
ORGANIZATION SIZE: 20 staff, 4500 volunteers
annual budget-$500,000
TYPE OF ORGANIZATION: non-government, private voluntary organization
PURPOSE & GOALS: to provide appropriate technology design, information, and to help developing countries
AREAS OF INTEREST: appropriate technology, self-sufficiency, international development
THINGS THEY DO: gather wealth of resources on alternative energy topics and technologies geared to self-sufficient lifestyles; disseminate information through handbooks, manuals, bulletins
SERVICES: technical information and support to people working in development in Third World countries
PUBLICATIONS: over 100 manuals and Technical Bulletins quarterly newsletter-free publications catalog

MILLARD ZEISBERG

311 Elk Forest Road
Elkton, Maryland 21921
(301) 398-0178

CONTACT: Zeis
ORGANIZATION SIZE: one
annual budget-limited
TYPE OF ORGANIZATION: individual
PURPOSE & GOALS: working on alternative, renewable energy to develop ideas; trying to convert 16 acres of worn out dairy farm to productive mini-farm
AREAS OF INTEREST: passive solar, active dispersed solar, wind, wood, mini-farm agriculture
THINGS HE DOES: repaired farm house front porch into an 8x26 greenhouse; applying to Appropriate Technology Small Grants(DOE) for passive, low-inertia, non-freezing, zero heat loss solar water heater and innovative idea for space heater;, also working on mini-agriculture and biofuels
SERVICES: consulting(chemical engineer), workshops, will work with committees
PUBLICATIONS: will answer informational requests

Massachusetts

ALTERNATIVE ENERGY COALITION *

31 Federal Street
Greenfield, Massachusetts 01301
(413) 773-5580

CONTACT: same
ORGANIZATION SIZE: membership:3-400
TYPE OF ORGANIZATION: citizen action group
PURPOSE & GOALS: energy education; to stop nuclear power, especially local plants; to serve as a local community office for organizing about energy issues
AREAS OF INTEREST: anti-nuclear, conservation, alternative energy
THINGS THEY DO: helped form Clamshell Alliance; support public control of energy supplies along with recycling; referendum work and legal interventions; door-to-door canvassing; distributing of literature
SERVICES: lobbying, speakers bureau, exhibits, films, demonstrations
PUBLICATIONS: AEC Newsletter($5/yr.membership)

BOLTON INSTITUTE *

4 Linden Square
Wellesley, Massachusetts 02181
(617) 235-5320

CONTACT: Elizabeth and David Dodson Gray-Co-directors
ORGANIZATION SIZE: two
annual budget-$30,000
TYPE OF ORGANIZATION: research and public education
PURPOSE & GOALS: research and education about the transition to a just and sustainable society
AREAS OF INTEREST: ethical dimensions of energy production and use; means of adapting human society and individual lives to such constraints, and particular interest to value change
THINGS THEY DO: lecture at schools, colleges, citizen groups; consultants to Congress, businesses, consumer groups; teach; sponsor public lectures, research seminars, research projects
SERVICES: demonstration projects, plan and conduct workshops, speaking, literature, networking
PUBLICATIONS: $1 for individual reprints; $10 to subscribe; free(52¢ postage please)-National Energy Inquirer, flyer for secondary schools; Growth and Its Implications for the Future($3.95)

CENTER FOR ENERGY STUDIES

Boston University
685 Commonwealth Avenue
Boston, Massachusetts 02215
(617) 353-2493

CONTACT: Dr. Norman N. Lichtin
ORGANIZATION SIZE: director only
TYPE OF ORGANIZATION: university research group
PURPOSE & GOALS: to focus the University's resources to facilitate the best utilization of current and future energy supplies through energy education and research

CENTRAL MASSACHUSETTS SAFE ENERGY PROJECT

151 PLEASANT STREET, WORCESTER, MA 01608
TEL. (617) 755-6424

CONTACT: Phil Stone, Joyce Landau
ORGANIZATION SIZE: 750 members
TYPE OF ORGANIZATION: citizen group, energy research and publication, safe energy advocates
PRUPOSE & GOALS: public education about nuclear and safe energy issues; to encourage citizens to reassert their right to be fully informed and to be able to participate in energy decisions affecting the nature and destiny of their communities
AREAS OF INTEREST: solar, wind, wood, utilities, antinuclear, photovoltaics, corporate involvement in nuclear industry, community energy conservation, disarmament conversion campaign
THINGS THEY DO: research and oppose local utility involvement in nuclear power(Mass. Municipal Wholesale Electric Co., New England Electric); research and oppose C.W.I.P. in Mass.; research alternative energy/conservation in the region; make slide shows; outreach to medical community; offer workshops in energy-related issues; conduct periodic orientation/education sessions; maintain media visibility(radio, TV, newspapers); conduct letter-writing campaigns about relevant legislation; creating county energy plan to compile area's potential for a renewable energy future
SERVICES: resource center/library; speakers; nonviolence training; displays
PUBLICATIONS: Energy Bibliography(3 pages, 1978), greeting cards, leaflets

CLIVUS MULTRUM USA, INC. *

14A Eliot Street
Cambridge, Massachusetts 02138
(617) 491-5820

CONTACT: Abby Rockefeller, President
ORGANIZATION SIZE: four
annual budget-$150,000
TYPE OF ORGANIZATION: national distributor and manufacturer
PURPOSE & GOALS: to develop interest and acceptance of composting as the principle method of dealing with organic wastes
AREAS OF INTEREST: organic solid wastes, bioconversion conservation
THINGS THEY DO: trying to get town to install this system of composting as an alternative to central sewering; demonstrate advantages of cost, maintenance, conservation; would like to be resource and educational center
SERVICES: demonstration projects, technical studies, speakers(for benefit of company at this stage), consulting informally(will talk to anyone interested)

COLUMBIA SOLAR ENERGY DIVISION *

55 High Street
Holbrook, Massachusetts 02343
(617) 767-0513

CONTACT: Walter H. Barrett, Operations Manager
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and sell solar energy collectors and systems
AREAS OF INTEREST: solar
THINGS THEY DO: offer worldwide services; sell hot water systems, solar paks, installation instruction, solar panels; plan work on solar turbine
SERVICES: demonstration projects, consulting

ECOS

Damonmill Square
Concord, Massachusetts 01742
(617) 782-0002

CONTACT: David Delporto, Elva Shein
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: distributor/manufacturer
PURPOSE & GOALS: to distribute energy efficient and resource conserving products to enable users to live more self-sufficiently
AREAS OF INTEREST: conservation, solar
SERVICES: speakers, workshops to demonstrate and educate about their products; consulting by Solar-Composting($30/hr.), education programs for public

ENERGY ALTERNATIVES, INC. *

69 Amherst Road
Leverett, Massachusetts 01054
(413) 549-3635

CONTACT: Helen or Klaus Kroner, Officers
ORGANIZATION SIZE: six
TYPE OF ORGANIZATION: distributor
PURPOSE & GOALS: to sell commercially available solar and wind systems as well as woodburning stoves, food dehydrators, down comforters
AREAS OF INTEREST: solar, wind, wood
THINGS THEY DO: personally use everything they sell
SERVICES: sales, informal requests answered(50¢ per brochure)

ENERGY DESIGN TEAM INC.

30 Mystic Street
Charlestown, Massachusetts 02129
(617) 242-0162

CONTACT: Mr. Sergio Modigliani, Project Director
Dr. William R. Alschuler, Research Director
ORGANIZATION SIZE: four-eight
TYPE OF ORGANIZATION: professional in architecture, economics, design and engineering
PURPOSE & GOALS: to offer clients a comprehensive approach in analyzing and solving their energy problems; to design systems and solutions for energy conservation and alternative energy sources; to provide services to citizen groups, institutions and businesses
AREAS OF INTEREST: conservation, solar, wood, wind, low-cost technologies, teaching
THINGS THEY DO: energy audits and management programs, regional development of solar and alternative technologies; architects/engineers for passive/active solar structures; design and analyses for residential, commercial, institutional, industrial and municipal projects
SERVICES: energy audits, cost/benefit analysis, life-cycle costing, design, consulting, workshops, speakers, demonstration projects (fees vary)
PUBLICATIONS: position papers

ENERGY RESEARCH REPORTS

1001 Watertown Street
Newton, Massachusetts 02165
(617) 244-1382

CONTACT: Howard Rausch, Editor
Barbara T. Shore, Assistant Editor
ORGANIZATION SIZE: three staff and shared business staff
TYPE OF ORGANIZATION: private publishing house
PURPOSE & GOALS: to report research trends on energy developments, conservation and financing
AREAS OF INTEREST: most aspects of energy policy, emphasis on research, legislative and regulatory aspects of conservation, fossil fuels, high-temperature solar, nuclear and synfuels
THINGS THEY DO: publish a newsletter
SERVICES: can respond to informational requests from public as time permits
PUBLICATIONS: "Energy Research Reports"($195/yr.)

ERG

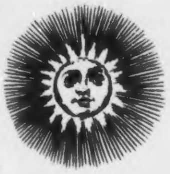
ENERGY RESOURCE GROUP OF MARTHA'S VINEYARD
WEST TISBURY, MASSACHUSETTS 02575
(617) 645-9064

CONTACT: John Abrams
ORGANIZATION SIZE: 6-8 active board members
approx. 100 members
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to provide information on renewable energy resources available to Martha's Vineyard residents and business people
AREAS OF INTEREST: all alternatives to non-renewable energy sources
THINGS THEY DO: organize talks, workshops and demonstration projects(construction of a solar greenhouse at the Edgartown school, work with local commercial enterprises, sponsor tours to visit island greenhouses
SERVICES: primarily public education, speakers, workshops, demonstrations
PUBLICATIONS: newsletter(quarterly to members)

FENWAY ENERGY ORGANIZATION

68 St. Stephens Street
Boston, Massachusetts 02115
(617) 266-4457

CONTACT: Rosaria Salerno, Lynn Vikesland(617)262-1323
Bob Case(617) 266-7227
ORGANIZATION SIZE: seven
annual budget-$2,500
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: group of Fenway residents running an urban renewal project; to implement a solar energy project; to see that various alternative energy projects directly benefit low and moderate income residents; to ensure that all possible alternative energies are used in the building rehabilitation projects; to encourage energy conservation through community education
AREAS OF INTEREST: wind, wood, methane, solid wastes, passive and active dispersed solar, photovoltaics, solar greenhouses in urban settings
THINGS THEY DO: submitted Community Development Block Grant proposal for solar project; other grants in the works for residential solar grant; setting up a resource center in alternative energy
SERVICES: workshops, speaking, grant-writing for demonstration project, resource center
PUBLICATIONS: none yet; individual members have published some energy policy papers



GOOD TIME STOVE CO.

P. O. Box F
Goshen, Massachusetts 01032
(413) 268-3677

CONTACT: Richard M. Richardson
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: retail
PURPOSE & GOALS: sale and restoration of old and antique wood/coal stoves, heating stoves, cooking stoves
AREAS OF INTEREST: wood, wind, coal, passive and active solar, wood and coal stove design
THINGS THEY DO: restore old stoves for daily use
SERVICES: offer old parts to the public; consultation concerning old stoves and their restoration

HOLY CROSS LOW-TECHNOLOGY STUDY GROUP

Holy Cross College
Worcester, Massachusetts 01610
(617) 793-3417

CONTACT: Dr. B.T.Lingappa, Dr. Yamuna Lingappa
TYPE OF ORGANIZATION: university group
PURPOSE & GOALS: to serve as a forum for enlightened discussion of the social and moral implications of alternative lifestyle/technologies
AREAS OF INTEREST: methane, low-technology, alternative lifestyle, holistic nutrition
THINGS THEY DO: Dr. Lingappa operates a methnae gas generator; holds regular meetings to discuss problems of bioconversion; Dr. Y. Lingappa teaches a course in holistic nutrition education

INSTITUTE FOR COMMUNITY ECONOMICS

120 Boylston Street
Boston, Massachusetts 02116
(617) 542-1058

CONTACT: Bob Swann, Director
ORGANIZATION SIZE: six
annual budget-$100,000
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to promote economic development on a decentralized level
AREAS OF INTEREST: methane, wood, all alternatives to centralized systems such as coal and nuclear
THINGS THEY DO: help promote the concept of wood gasification which utilizes wastes of forests; sponsor demonstrations(methane); designing an Alternative Investement Fund for promoting alternatives projects
PUBLICATIONS: newsletter and others

LEAGUE OF WOMEN VOTERS OF MASSACHUSETTS *

120 Boylston Street
Boston, Massachusetts 02116
(617) 357-8380

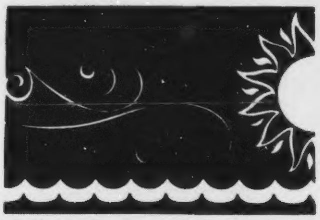
CONTACT: Mary Dawson, State Energy Chairman
ORGANIZATION SIZE: 11,000 state members
annual budget-$151,000(state)
TYPE OF ORGANIZATION: local community chapter of national organization
PURPOSE & GOALS: to encourage informed citizen participation in government
AREAS OF INTEREST: conservation, development of comprehensive national energy policy
THINGS THEY DO: 2-year study of energy sources; hold conferences to evaluate the government's role in meeting future needs; meetings on nuclear energy, fossil fuels; lobby state legislature
SERVICES: advising local leagues, lobbying, workshops, speakers
PUBLICATIONS: contact national office-1730 M Street, N.W., Washington, D.C. 20036

MASS PIRG

120 Boylston Street, Room 320
Boston, Massachusetts 02116
(617) 423-1796

or
233 N. Pleasant Street
Amherst, Massachusetts 01002
(413) 256-6434

ORGANIZATION SIZE: ten staff; chapters on ten campuses across Massachusetts
annual budget-$200,000
TYPE OF ORGANIZATION: citizen group, university group
PURPOSE & GOALS: to create a mechanism for effective citizen action, to restore the balance between individual rights and governmental/industrial excesses
AREAS OF INTEREST: all energy/environmental issues
THINGS THEY DO: intervening to stop Boston Edison from building Pilgrim II nuclear plant; working with Clamshell Alliance to do grassroots organizing in towns with municipals which are buying into nukes; hazardous transport study; life-cycle costing study; outreach projects; energy audits on campus buildings, networking, Safe Energy Campaign, tax credit legislation
SERVICES: speakers, workshops, materials, slide show on solar, teach-ins
PUBLICATIONS: free pamphlets and literature; posters-"Plant for the Future: Harvest the Sun"($3.50), "Nuclear Power: A Shocking Harvest"($3.50 or $6 the set of two)-other publications available



Central Massachusetts Safe Energy Project

MIT ENERGY LABORATORY

77 Massachusetts Avenue
Cambridge, Massachusetts 02139
(617) 253-3500

CONTACT: above
ORGANIZATION SIZE: 75 staff, 225 students, 70 associated faculty
TYPE OF ORGANIZATION: university laboratory
PURPOSE & GOALS: to stimulate fundamental and mission-oriented energy research
AREAS OF INTEREST: energy conversion, stationary combustion, fuel conversion and health effects, transportation propulsion, process modeling, advanced technology, nuclear, environmental management, utility systems, energy system modeling and analysis, international energy studies
THINGS THEY DO: theoretical and experimental research in above areas; have a Center for Energy Policy Research
SERVICES: publications
PUBLICATIONS: e-lab, bimonthly newsletter, Project Summaries, annual report; reports are often available through NTIS, 5825 Port Royal Rd., Springfield, VA 22161

DONALD F. MONELL & ASSOCIATES

11 Pleasant Street
Gloucester, Massachusetts 01930
(617) 283-1484

CONTACT: Donald F. Monell, Principal
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: architects and planners
PURPOSE & GOALS: to design residential, commerical and industrial buildings; especially involved in energy conservation and natural power assistance
AREAS OF INTEREST: solar, wind, wood, conservation
THINGS THEY DO: design homes and other buildings using solar collectors, domestic hot water, fireplaces and stoves for heating
SERVICES: energy system design, supervision of construction, consulting($40/hr.)

The New Alchemists

P. O. Box 47
Woods Hole, Massachusetts 02543

Institute location:
237 Hatchville Road
Hatchville(Falmouth), Massachusetts 02536

CONTACT: Denise Backus (617) 563-2655
ORGANIZATION SIZE: 23 regular staff
TYPE OF ORGANIZATION: nonprofit scientific and educational organization; tax-exempt
PURPOSE & GOALS: development of ecologically derived forms of energy, agriculture, aquaculture, housing and landscapes
AREAS OF INTEREST: alternative sources of energy, agriculture, aquaculture, bioshelters and land use
THINGS THEY DO: design and monitor bioshelters; research in agriculture, tree crops, wind machines and earthworm culture; aquaculture research in both natural and artificial ponds outdoors as well as within structures; ecosystems modeling
SERVICES: public workshops($3/person; free to members-Saturdays, May 1 through September 31, begin at noon, out-of-doors, bring lunch to share); literature, demonstrations, limited consulting
PUBLICATIONS: information brochure on request; annual JOURNAL OF THE NEW ALCHEMISTS, Volumes #4($7), #6($10); annual membership-$25-includes newsletter, journal and calendar

New Roots

Box 548
Greenfield, Massachusetts 01302
(413) 774-2257/58

CONTACT: Rob Okun
ORGANIZATION SIZE: eleven
TYPE OF ORGANIZATION: magazine; project of the North-East Appropriate Technology Network(NEAT-NET), a nonprofit corporation
PURPOSE & GOALS: to stimulate interest in and applications of appropriate technologies in all areas of life including food, health, culture, politics, science, technology, art and history
AREAS OF INTEREST: conservation, solar, renewable energy development, anti-nuke, books, resources, Northeast culture, humor, cooperatives, family...
THINGS THEY DO: publish the magazine(84 pages) promoting AT in the Northeast, alternatives; networking
SERVICES: design and production for medium and large-scale books, periodicals, studies/reports
PUBLICATIONS: bimonthly/$8 ($12 institutional)---effective Fall 1980 $10/8 issues/yr.

RESOURCES NEWSLETTER

Box 134, Harvard Square
Cambridge, Massachusetts 02138
(617) 876-2789

CONTACT: Richard Gardner, Editor/Publisher
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: collection and dissemination of unusual, interesting and useful information
AREAS OF INTEREST: just about all fields of science, energy, health
THINGS HE DOES: publishes directories, listings of organizations and people and assembles for distribution
SERVICES: referrals, networking, literature, library, data bank(will answer inquiries and send sample newsletter for SASE), mailing list maintenance, sells special purpose mailing lists
PUBLICATIONS: Alternative America(2nd edition, $4.95 +50¢ postage-listing of more than 7000 groups, people in health, energy, food, co-op); Resources Newsletter($5/12 issues)

SIPPICAN CONSULTANTS INTERNATIONAL, INC. *

1033 Massachusetts Avenue
Cambridge, Massachusetts 02138
(617) 868-1200

CONTACT: Albert Romaneski, President
E.J.McAlarney, Senior Associate
ORGANIZATION SIZE: 286
annual budget-$8 million
TYPE OF ORGANIZATION: industry consulting, engineering
PURPOSE & GOALS: to provide professional design services and engineering in the fields of structural civil, mechanical, electrical and sanitary engineering
AREAS OF INTEREST: energy conservation in structures; solar utilization
THINGS THEY DO: mechanical engineering and structure design for numerous buildings; planning work on housing development in Boston with partial solar heating; increasingly active in utilizing alternative energy(recycling, solid wastes, etc)
SERVICES: consulting(on contracts), economic studies, technical studies, planning, literature

SOLAR BY SAUNDERS & ASSOCIATES

15 Ellis
Weston, Massachusetts 02193
(617) 894-4748

CONTACT: Norman B. Saunders
TYPE OF ORGANIZATION: manufacturer, consultant
AREAS OF INTEREST: solar projects that return more than 10% on the investment in the first year, design, education
THINGS THEY DO: plan, design, turnkey installations, research, publish; uses passive solar to get heat into storage and active to distribute it for use
SERVICES: above and consulting, literature, instrumentation, data loggers
PUBLICATIONS: "Solar Heating Basics"(4th edition, $7), for the do-it-yourselfer; "All Solar House-1978"($2 or $12 for 10 copies), the basic house, how it came to be, cost and construction data on the model

SOLAR COLLECTOR SYSTEMS, INC.

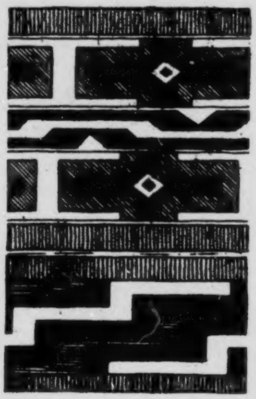
Avon Industrial Park
Avon, Massachusetts 02322
(617) 588-2398

CONTACT: Roy D. Champion, President
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: manufacturer/distributor
PURPOSE & GOALS: distribution, manufacture and sale of flat plate collectors to all classes of trade in Massachusetts; represent Sunworks,Inc.
AREAS OF INTEREST: solar(high-temperature)
THINGS THEY DO: establish distribution for Sunworks; assistance to architects, designers, contractors and installers; manufacture solar hardware
SERVICES: demonstration projects, workshops, exhibits, consulting

SOLAR PLEXUS *

West Street
Hadley, Massachusetts 01035

CONTACT: Patrick Leighton, President
ORGANIZATION SIZE: two
annual budget-$1,000
TYPE OF ORGANIZATION: manufacturer, distributor
PURPOSE & GOALS: to design, manufacture and sell wind generator blades
AREAS OF INTEREST: wind, design
THINGS THEY DO: provide components for building home-site wind generators
SERVICES: speakers, workshops, exhibits, technical studies
PUBLICATIONS: catalog(25¢)



SOLAR POWER CORPORATION

20 Cabot Road
Woburn, Massachusetts 01801
(617) 935-4600

CONTACT: J. Sherwood, Marketing Services Manager
TYPE OF ORGANIZATION: manufacturer
AREAS OF INTEREST: solar cells, solar modules, photovoltaics, solar electric generators
SERVICES: system design and complete arraying services

SOLAR RESOURCES *

31½ Mt. Vernon Street
Boston, Massachusetts 02129
(617) 242-1109 or 227-7977

CONTACT: Mark V. Dullea
ORGANIZATION SIZE: one full-time and consultants
TYPE OF ORGANIZATION: consumer consultant and other activities
PURPOSE & GOALS: to bridge the information gap between solar industry and consumers
AREAS OF INTEREST: solar and conservation
THINGS HE DOES: provides an introductory service concerning solar application; performs heat loss analyses; research projects, plans and organizes conferences; selling solar house, greenhouse and heating system plans and design manuals
SERVICES: consulting, design, teaching, retailing plans and books, solar planning assistance

SOLECTRO-THERMO, INC.

1934 Lakeview Avenue
Dracut, Massachusetts 01826
(617) 957-0028 or 667-3568

CONTACT: Arthur J. Manelas and/or Robert E. Charlton
ORGANIZATION SIZE: three
annual budget-$200,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to provide electricity and thermal energy from one installed system(STI's system)
AREAS OF INTEREST: photovoltaics
THINGS THEY DO: a current project shows the technology is here to effectively utilize off peak electric energy during peak hour demands so as to stabilize the high cost peak demands of the American home; feasibility study on neighborhood-sited power plants using combined solar/biomass for electricity needs funding to get underway
SERVICES: consulting, demonstration projects, exhibits, workshops and speakers(can be done in any region on a fee/expense basis)
PUBLICATIONS: product information brochures

SOUTH MOUNTAIN COMPANY

South Road
Chilmark, Massachusetts 02535
(617) 645-9468

CONTACT: John Abrams
ORGANIZATION SIZE: five
annual budget-$150,000 gross
TYPE OF ORGANIZATION: retailer
PURPOSE & GOALS: design and construction firm, passive solar emphasis
AREAS OF INTEREST: wood, passive and active dispersed solar
THINGS THEY DO: design and build passive solar buildings and greenhouses, several active solar projects; complete shop facilities
SERVICES: consulting(particularly for owner-builders), building design, use of solar, energy conservation, construction techniques and technology (fees on sliding scale),audits

SUNSAV, INC.

Sunsav INC.
SOLAR ENERGY SYSTEMS

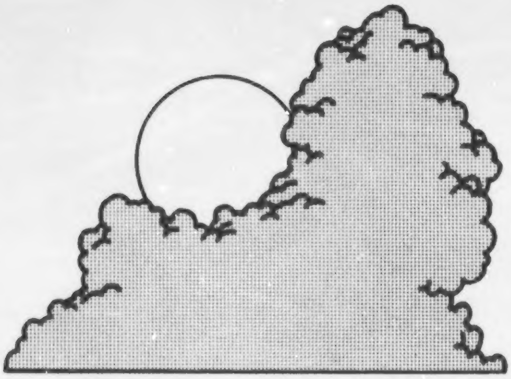
640 South Union Street
Lawrence, Massachusetts 01843
(617) 687-0044

CONTACT: Anne Kasparian, Executive Assistant
ORGANIZATION SIZE: twelve staff members
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and market solar energy systems as well as provide consulting services
AREAS OF INTEREST: solar
THINGS THEY DO: currently manufacture three collectors and five systems; sell, distribute and install their equipment; have completed a number of projects-Federal Office Bldg. in Manchester, NH, motel lease, school, and others
SERVICES: demonstration projects, consulting($250/day)

THERMO ELECTRON CORPORATION *

101 First Avenue
Waltham, Massachusetts 02154
(617) 890-8700

TYPE OF ORGANIZATION: research and calculation
AREAS OF INTEREST: waste heat recovery
THINGS THEY DO: calculate that tapping the unused heat from industrial processes, gas turbines, diesels, and other utility power plants could yield a minimum energy savings of 973,000 barrels of oil per day
SERVICES: consulting



MALCOLM WELLS, ARCHITECT

Box 1149
Brewster, MAssachusetts 02631

CONTACT: Malcolm Wells
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: architectural firm
PURPOSE & GOALS: gentle architecture
AREAS OF INTEREST: underground architecture, low-temperature and passive solar, conservation for building and environmental protection
THINGS HE DOES: designs buildings (Solaria--first solar-heated house in New Jersey); Cary Arboretum for N.Y.Botanical Gardens; building designs in 23 states
SERVICES: architectural, design consultation, lectures

Michigan

ALLIANCE FOR CLEAN ENERGY *

c/o Rod Bailey
Grand Valley College
Allendale, Michigan 49401
(616) 895-6611, ext. 173

TYPE OF ORGANIZATION: citizen action group
PURPOSE & GOALS: to organize workshops and conferences on energy alternatives
THINGS THEY DO: planning a neighborhood self-sufficiency and self-reliance conference
SERVICES: speaker, workshops

DOING MORE WITH LESS

1090 S. Adams
Birmingham, Michigan 48011
(313) 645-1173

CONTACT: Bill Griffin
ORGANIZATION SIZE: four(three part-time)
annual budget-$21,000
TYPE OF ORGANIZATION: nonprofit practical ecology magazine
PURPOSE & GOALS: to provide citizens with information on how to turn their environmental philosophy into practical everyday action
AREAS OF INTEREST: passive solar, active dispersed solar, wind, wood, alcohol fuels, solid wastes, other environmental topics(not just an energy magazine)
THINGS THEY DO: preparing a Solar Primer; parent organization, Common Ground, has a weatherstripping and insulation program for senior citizen's homes
SERVICES: speakers($20 plus transportation expenses-in Michigan only)
PUBLICATIONS: magazine(24 pages, 6/year, $6/8 issues)

ECOLOGY CENTER OF ANN ARBOR

417 Detroit Street
Ann Arbor, Michigan 48104
(313) 761-3186

CONTACT: Karen Bottomley, Gail Gredler, Dave Lynch, Steve McCargar
ORGANIZATION SIZE: 4-6 staff
annual budget-$55,000
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: environmental education and advocacy, locally with attention to some state and federal issues
AREAS OF INTEREST: transportation, solid waste management, energy conservation, land use, organic gardening
THINGS THEY DO: operate a recycling center, sponsor energy conservation workshops, maintain a 1000 volume environmental library and file system, publish a monthly newsletter, referral service, research and testimony on environmental issues
PUBLICATIONS: "Footloose in Washtenaw", a walker's guide ($3), "Ecology Reports" newsletter, received by all Center members($15/yr.; $5/yr. senior/youth)

ENERGY ADMINISTRATION

P. O. Box 30228
Lansing, Michigan 48909
(517) 374-9090

CONTACT: Robert A. Cappelletti, Acting Director
TYPE OF ORGANIZATION: state energy agency
PURPOSE & GOALS: to coordinate state agency action related to energy planning, to analyze alternative energy policies, and to organize public information programs
AREAS OF INTEREST: energy education and information programs, conservation, energy resource development

THINGS THEY DO: above and emergency plan; state energy coordination
PUBLICATIONS: all publications appear in the *Commerce Register*, a montly publication of the Michigan Department of Commerce

ENERGY & INFORMATION PROJECT *

Wayne State University
4866 Third Street
Detroit, Michigan 48202

TYPE OF ORGANIZATION: resource group
AREAS OF INTEREST: energy impacts, alternative energy, especially solar
THINGS THEY DO: provide information on energy impacts, economics, costs and supply alternatives
SERVICES: newsletter focuses on removing financial barriers to solar energy
PUBLICATIONS: "Resources" newsletter

ENVIRONMENTAL ENERGIES, INC.

P. O. Box 73
Front Street
Copemish, Michigan 49625
(616) 378-2921

CONTACT: B.A. O'Shea, President
Timothy J. Horning, Director, New Projects
ORGANIZATION SIZE: 12 staff
annual budget-$500,000
TYPE OF ORGANIZATION: manufacturer/distributor
PURPOSE & GOALS: to manufacture and distribute solar and wind energy products
AREAS OF INTEREST: solar, wind, conservation
THINGS THEY DO: with ERDA grant, have installed a solar hot water system in Battle Creek, three wind power systems at a camping center in Manistique; have installed over 100 operational wind electric and solar systems
SERVICES: feasibility studies, installation of wind electric system for $700-1200 per kw, speakers, prototype work on energy systems
PUBLICATIONS: energy booklet of complete wind electric systems, domestic solar hot water and heating systems, their components and full prices ($5)

MICHIGAN PUBLIC SERVICE COMMISSION

6545 Mercantile Way
P. O. Box 30221
Lansing, Michigan 48909
(517) 373-3240

CONTACT: Thomas R. Lonergan, Executive Secretary
ORGANIZATION SIZE: 365
annual budget-$11.7 million
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to assure that there are adequate supplies of energy and communication services available at reasonable rates while allowing the regulated utilities a "fair opportunity to earn their authorized rate of return"

AREAS OF INTEREST: conservation, insulation, fossil fuels, nuclear power
THINGS THEY DO: sponsored a home insulation program and other conservation projects
SERVICES: technical studies, consulting(by individual members)
PUBLICATIONS: information free for distribution; others at copying costs

Oakland Livingston Human Service Agency
OLHSA
198 Oakland Ave., Pontiac, Michigan 48058
(313) 858-5183

CONTACT: Jean Benzing, Energy Specialist
Steve Facione, Project Operations
ORGANIZATION SIZE: 30--energy staff
annual budget-$750,000+--energy
TYPE OF ORGANIZATION: public, nonprofit CAP
PURPOSE & GOALS: to advocate and work for low-income disadvantaged people
AREAS OF INTEREST: wind, wood, passive and active dispersed solar, utilities, conservation
THINGS THEY DO: home weatherization and rehabilitation program for low-income homeowners, emergency energy assistance, energy conservation workshops, information, referral and outreach
SERVICES: above

PROJECT ENTROPY *

Math-Science Teaching Center
E-37 McDonel Hall, Michigan State University
East Lansing, Michigan 48824
(517) 355-1725

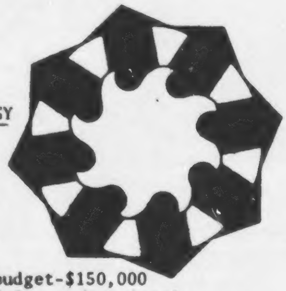
CONTACT: Joseph Janeti, Project Director
Shirley Stratton
ORGANIZATION SIZE: 15-20
TYPE OF ORGANIZATION: university-sponsored group
PURPOSE & GOALS: to provide public information and education about the energy situation in Michigan
AREAS OF INTEREST: conservation, all energy resources and alternatives
THINGS THEY DO: sponsor regional teacher training workshops, community action projects with these teachers, young peoples' energy conference, energy demonstration van with displays, multi-media programs
SERVICES: information retrieval service, displays, workshops, literature, demonstration projects, informal consulting
PUBLICATIONS: "Entropy" newsletter, references to many materials of use to educators

UPLAND HILLS ECOLOGICAL AWARENESS CENTER *

481 Lake George Road
Oxford, Michigan 48051
(313) 628-5116

CONTACT: Phillip Moore
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to increase people's awareness of ecological balance, design, complexity through doing
AREAS OF INTEREST: solar, wind, fossil fuels, renewable non-polluting sources of energy, wood
THINGS THEY DO: operate the Farm School with solar collector heating and wind-generated electricity; planning to build a nature/conference center powered by alternative energy systems; have exhibits and demonstrations of how these systems work; hold workshops(living and working with the projects for ten days)
SERVICES: demonstration projects, films, library, speakers, consulting(free for travel expenses)
PUBLICATIONS: quarterly newsletter, "The Open Eye" (membership-$15, regular; $7 for seniors and students; $20 for families)

Minnesota



ALTERNATIVE SOURCES OF ENERGY

107 South Central Avenue
Milaca, Minnesota 56353
(612) 983-6892

CONTACT: Don & Abby Marier
ORGANIZATION SIZE: five
annual budget-$150,000
TYPE OF ORGANIZATION: publisher, educational
PURPOSE & GOALS: to encourage the development and use of renewable sources of energy and energy conservation through the dissemination of specific types of "how-to" information, including plans, projects and descriptions of activities in the field
AREAS OF INTEREST: all alternative sources of energy, solar energy utilization, hydroponics, biomass
THINGS THEY DO: displays at fairs, workshops for the homeowner, conferences
SERVICES: workshops, speakers, film rental, video-tape rental, networking, Energy Information and Referral Service(EIRS)--information searches
PUBLICATIONS: bimonthly magazine($15/6 issues/year)--includes plans, information, practical applications; "Our readers are our writers." It's written by the "experts" as well as the "tinkerers."; slide shows, special booklets, past issues

ARROWHEAD ECONOMIC OPPORTUNITY AGENCY(AEOA)

Box 1066
Virginia, Minnesota 55792
(218) 749-2912

CONTACT: Dick Cazin(Fuel & Energy), Paul Hess (Housing)
ORGANIZATION SIZE: seven
annual budget-$725,000
TYPE OF ORGANIZATION: community action agency
PURPOSE & GOALS: through the Minnesota housing financing agency funding is provided for home improvement loans and grants, most for energy-saving home improvements; aids low-income families in receiving insulation, emergency fuel, firewood, in order to reduce their energy use
AREAS OF INTEREST: passive solar, wood, utilities, oil/natural gas
THINGS THEY DO: cooperative project whereby debarked and cut dutch elm diseased trees provided free to low-income families for firewood; emergency fuel assistance is provided to low-income families
SERVICES: above, energy fairs, literature, energy activities coordinated between public, businesses, and private sectors in northern Minnesota

ASSOCIATION FOR APPROPRIATE TECHNOLOGY

1400 Fairfield Road South
Minnetonka, Minnesota 55343
(612) 544-9587

CONTACT: Mary Jane Heinen
ORGANIZATION SIZE: two
annual budget-$1,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to promote self-sufficiency, cooperation, and exchange of goods and services; to promote better use of resources, reduce dependence on material things, to maintain local planning and control
AREAS OF INTEREST: alternative lifestyles, integration of appropriate technologies into lifestyle
THINGS THEY DO: 1977-78 CETA project-fifteen positions in a variety of appropriate technology areas-methane, truck farming, wind energy, hydroelectric feasibility, recycling materials; monthly programs with speakers on AT; workshops
SERVICES: limited library, speakers(fees determined by individual), workshops

COB BURANDT *

14510-13th Avenue, North
Plymouth, Minnesota 55441
(612) 473-2910

PURPOSE & GOALS: to inform citizens about alternative energy systems
AREAS OF INTEREST: conservation, wind, hydroelectric, wood
THINGS HE DOES: put up wind generator at a nursery school, wants to set up a water-pumping windmill for irrigation and electrical generation; volunteer speaker on alternative energy
SERVICES: demonstration projects, workshops, speaker, consulting

CENTER FOR LOCAL SELF-RELIANCE

3302 Chicago Avenue, South
Minneapolis, Minnesota 55407
(612) 824-6663

CLSR

CONTACT: Doug Crockett
ORGANIZATION SIZE: four full-time
annual budget-$250,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to help urban residents become more self-sufficient in the areas of energy, food, shelter and water
AREAS OF INTEREST: passive and active dispersed solar
THINGS THEY DO: weatherization projects, demonstration projects(solar systems, solar greenhouses, insulated curtains), advocacy project--intervened against higher energy costs and organized Minneapolis residents into the Neighborhood Energy Alliance to affect local energy policy decisions, energy audits
SERVICES: above, library, education, workshops
PUBLICATIONS: newsletter, CLSR Review(membership--$3, local resident, $10 associate member)

CENTER FOR THE STUDY OF THE PHYSICAL ENVIRONMENT *

Institute of Technology
124 Space Science Center
Minneapolis, Minnesota 55455

AREAS OF INTEREST: bio-energy, solar
THINGS THEY DO: put out newsletters which include research, publications, calendar

CRITERIA

100 First Street, North
Minneapolis, Minnesota 55401
(612) 338-4761

CONTACT: Gerald E. Allan, Architect
Gary Cook
ORGANIZATION SIZE: fifteen
TYPE OF ORGANIZATION: architectural design, graphic, and public education
PURPOSE & GOALS: interdisciplinary group combining biology, chemistry, psychology, architecture, graphic, landscape, furniture design whose focus is the built environment
AREAS OF INTEREST: total energy and ecological systems, earth sheltered buildings, solar, wood, wind and waste management
THINGS THEY DO: develop earth awareness projects, self-sufficient building, remodeling design, curriculum development for schools
SERVICES: planning, design, speakers, workshops, consulting(variable fees)

ENERGY CONSERVATION CONSULTANTS, INC.

9001 East Bloomington Freeway
Bloomington, Minnesota 55420
(612) 888-5633

CONTACT: Jack M. Lynch, President
Robert Raugland, Vice-President
ORGANIZATION SIZE: ten
annual budget-$700,000(sales)
TYPE OF ORGANIZATION: infrared surveys/energy consulting
PURPOSE & GOALS: provide infrared scanning services on a nationwide basis; provide training and consultation for infrared camera operators; perform research and develop new applications for infrared thermal imagery
AREAS OF INTEREST: electro-mechanical surveys; heat loss detection; detecting wet insulation in roofs; training and leasing
THINGS THEY DO: above; equipment sales; management consulting
PUBLICATIONS: promotional literature on services

GRATE-O-LATER, CO. *

P. O. Box 681
Anoka, Minnesota 55303
(612) 421-8341

CONTACT: R. Kravik, Owner
ORGANIZATION SIZE: three
annual budget-$10,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to design, develop and manufacture wood burning products
AREAS OF INTEREST: wood
THINGS THEY DO: produce high-efficiency grate that heats the room; high-efficiency,wood burning chimney-less wood stove or furnace
PUBLICATIONS: literature on heat loss, woodburning

MICHAEL A. HOHMANN

4100 Ewing Avenue, South
Minneapolis, Minnesota 55410

CONTACT: same
TYPE OF ORGANIZATION: consultant
PURPOSE & GOALS: to further development and use of renewable resources, appropriate technology and conservation, economic development
AREAS OF INTEREST: low-temperature solar thermal, water utilization, anaerobic degradation of organic waste, energy economics and policy development/legislation, agricultural applications, alcohol, and wood combustion

THINGS HE DOES: participates in conferences; publishes articles; began organization working on research of anaerobic degradation
SERVICES: consulting
PUBLICATIONS: write for listing(publishes in Alternative Sources of Energy, Energy Quarterly; Minnesota Earth Journal)

HUMCO, INC. *

Rt. #1
Rushford, Minnesota 55971

CONTACT: Leroy G. Humble, Sales Manager
Douglas J. Humble, Plant Manager
ORGANIZATION SIZE: five staff members plus 20 employees
TYPE OF ORGANIZATION: a small family-owned and operated manufacturing company fabricating woodburning stoves and stoves as alternative heating sources
PURPOSE & GOALS: to supply an alternative source of heat for those who cannot afford the drastically rising fuel prices
AREAS OF INTEREST: concentrates on manufacture of woodburning hardware but also interested in the life-style/environmental aspects of solar and conservation technologies
THINGS THEY DO: above
SERVICES: provides a woodburning furnace that is "completely thermostatically controlled providing more efficient use of the wood burned instead of the old manually-drafted furnaces used in the past. Our wood-burning stoves or spaceheater have incorporated this long-lasting quality of fire-brick and cast iron and added an automatic draft for more efficiency"

I E ASSOCIATES, INC.

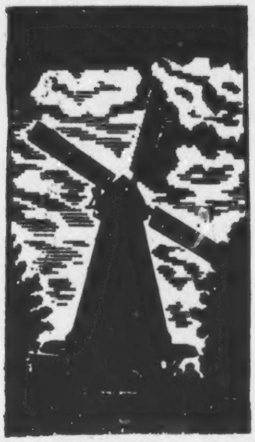
3704-11th Avenue South
Minneapolis, Minnesota 55407
(612) 825-9451

CONTACT: Tom P. Abeles, President
ORGANIZATION SIZE: eight
TYPE OF ORGANIZATION: consulting, research and development
PURPOSE & GOALS: energy conservation in building and community design; solar heating and cooling systems; bioconversion for farms and communities
AREAS OF INTEREST: bioconversion, photovoltaics, solar, conservation, passive solar design
THINGS THEY DO: research and design solar systems; have solar heated homes with patented collection systems; full-scale automatic commercial digestors government grant to study digestor technology
SERVICES: all services, including workshops, exhibits. consulting, information networking, speakers

MINNESOTA ENERGY AGENCY

980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
(612) 296-5120

CONTACT: Frank Mach, Research Director
ORGANIZATION SIZE: four research, 100 total
annual budget-$3 million
TYPE OF ORGANIZATION: state energy office
PURPOSE & GOALS: to institute and facilitate a unified, coordinated program of energy conservation, energy planning, and development of state energy resources
AREAS OF INTEREST: working in the areas of local services, conservation, education programs, certificate of need, research, forecasting, and impact analysis; research division develops policy in coal development, alternative energy sources (solar, peat, cattails, wind)
THINGS THEY DO: above and collecting data on which the state policies are based; eight subcommittees work on active solar, passive solar, wind, urban solid waste, agricultural sources, biomass conversion, timber and peat moss
SERVICES: information services, speakers, library, technical studies; agency also houses the Minnesota Solar Office



MINNESOTA MINING & MANUFACTURING CO(3M)

Energy Control Products Project
St. Paul, Minnesota 55101
(612) 733-2917

CONTACT: T.E.Good, Sales & Marketing Manager
P.J. Kuban, Marketing Supervisor
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to promote their products at a profitable level in the area of energy conservation and fuel cost reduction for the customer
AREAS OF INTEREST: high temperature solar, conservation, fuel cells, methane, hydroelectric
THINGS THEY DO: manufacture Scotchtint Sun Control Films for heat control and glare reduction; continuing research to improve existing products and develop new ones
SERVICES: demonstration projects, workshops and exhibits, literature(promotional), economic studies, consulting(most services at no cost)

NORTHERN SUN ALLIANCE, TWIN CITIES

1519 East Franklin Avenue
Minneapolis, Minnesota 55404
(612) 874-1540

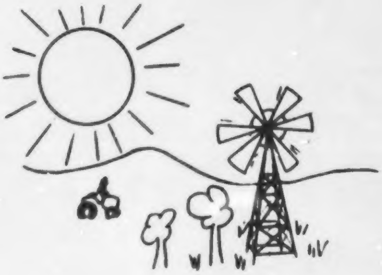
CONTACT: Cass Travers, Laurie Witzkowski
ORGANIZATION SIZE: 500 people
annual budget-$25,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to assist efforts to stop nuclear plants and weapons development in the world, to seek support and participation of labor, church, and other community groups against nuclear development, to reassert the right of citizens to be fully informed and then to decide the nature of their own communities , to support farmer's land rights and treaty rights of Native Americans, specifically in stopping the 800kv DC powerline through Western Minnesota farmland and halting uranium mining in Northern Minnesota and the Black Hills of South Dakota
AREAS OF INTEREST: anti-nuclear and anti-centralized technology

THINGS THEY DO: participation in public demonstrations and rallies(nonviolent civil disobedience)
SERVICES: education and outreach work within the community-films, slide shows, speakers, pamphlets, public forums and debates; formation of other NSA chapters(honorarium for speakers and donation for films requested)
PUBLICATIONS: leaflets and written material for a donation or free: posters and T-shirts, Northern Sun News, monthly

OUROBOROS SOUTH PROJECT *

Continuing Education in the Arts
University of Minnesota
320 Westbrook Hall
Minneapolis, Minnesota 55455
(612) 373-5170

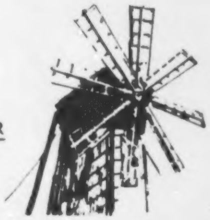
CONTACT: R. Scott Getty, Project Director
TYPE OF ORGANIZATION: architecture project
PURPOSE & GOALS: to show that good design can be energy-conserving and efficient
AREAS OF INTEREST: design, conservation
THINGS THEY DO: research, design and construction of an ongoing experiment in low-impact technology
SERVICES: tours of house, information center on conservation and design and alternative and appropriate forms of energy conservation
PUBLICATIONS: some free pamphlets on energy, composting, solar, shelters, wind, wood and methane; Environmental Design: Native Wit(Huldah Curl $4.95)-write for complete listing



RAMSEY ACTION ENERGY CONSERVATION *

630 Laurel Avenue
St. Paul, Minnesota 55104
(612) 227-7717

CONTACT: William D. Davis, Director of Energy Conservation
ORGANIZATION SIZE: 30-35 staff members
annual budget-$400,000
TYPE OF ORGANIZATION: local agency on CSA grant
PURPOSE & GOALS: to identify and winterize 100 to 1,000 homes(locally); to educate and enlighten the general public about energy conservation
AREAS OF INTEREST: primarily conservation of energy through public assistance
SERVICES: retrofitting(free) to low-income homeowners (poverty level, Ramsey County); literature available on energy efficiency, workshops and consulting



REGIONAL ENERGY INFORMATION CENTER

Staples, Minnesota 56479
(218) 894-2430 ext. 146

CONTACT: Ray Gildow, Director
ORGANIZATION SIZE: four
annual budget-$35,000
TYPE OF ORGANIZATION: funded through Area Vocational Technical Institute and the Minnesota Energy Agency
PURPOSE & GOALS: to serve as the regional energy information center serving six counties in central Minnesota
AREAS OF INTEREST: conservation, solar, wind, geothermal, wood
THINGS THEY DO: energy fairs, adult education courses, develop radio and television programs, furnace testing, consulting on design and construction projects
SERVICES: library, conduct seminars and workshops, speaker's bureau

DARRYL THAYER AND ASSOCIATES

2406 Doswell Avenue
St. Paul, Minnesota 55108
(612) 644-5060

CONTACT: Darryl A. Thayer
ORGANIZATION SIZE: 3-6
annual budget-$60,000
TYPE OF ORGANIZATION: consulting firm
AREAS OF INTEREST: passive solar, active dispersed solar, energy conservation, some wind and wood
THINGS THEY DO: active-passive solar designs and installations; involved in 7 passive solar projects (homes), 20 active solar projects(homes), 5 solar heat pump projects and 2 solar concentrating projects
SERVICES: consulting($25-50/hr. depending on project), workshops($150-250/day plus expenses), solar seminars($50-100 plus expenses), solar system computer based analysis, course and curriculum development, solar collector design consultation

THERMOGRATE ENTERPRISES INC.

2785 N. Fairvew Avenue
St. Paul, Minnesota 55113
(612) 633-1376 or 1-800-328-0882

CONTACT: Howard Beam, V.P. and General Manager
TYPE OF ORGANIZATION: national distributor
AREAS OF INTEREST: coal and woodburning, bioconversion, conservation, fossil fuels, wind, solar
THINGS THEY DO: distribute glass door fireplace furnaces-both inserts and free-standing units-for heating living areas
SERVICES: demonstration projects, technical studies, energy-saving information and educational materials, advertising and promotion
PUBLICATIONS: "How to Burn Wood & Fight Rising Fuel Bills" and promotional literature on products

TRI-COUNTY ACTION PROGRAMS, INC.

315 St. Germain Street
P. O. Box 1205
St. Cloud, Minnesota 56301
(612) 251-1612

CONTACT: Lawrence Solem, Energy Director
ORGANIZATION SIZE: eight-energy program only
TYPE OF ORGANIZATION: government agency
PURPOSE & GOALS: to weatherize the homes of people on low-income to save them money on fuel and at the same time conserve energy; want to study the alternative sources of energy and try to develop an economical way to implement them into their program
AREAS OF INTEREST: wind, alcohol fuels, methane, passive solar
THINGS THEY DO: continuous weatherization of homes in a three-county area, and a passive solar project that is in beginning stages
SERVICES: provide speakers, demonstration projects, and exhibits upon request

WINCO

7850 Metro Parkway
Minneapolis, Minnesota 55420
(612) 853-8400

CONTACT: Len Attema, Sales Manager
TYPE OF ORGANIZATION: manufacturer
AREAS OF INTEREST: wind energy
THINGS THEY DO: manufacture the Winco AC Engine-Driven, and Tractor-Driven Generators; also the 1222H DC wind-driven battery charger division of Dyna Technology, Inc.; manufacture 12-volt "Windcharger" wind electric battery charger
PUBLICATIONS: product brochures

Mississippi

ARNOLD J. AHO, ARCHITECT, AIA

P. O. Box 5291
Mississippi State, Mississippi 39762
(601) 323-7121

CONTACT: same
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: architect
PURPOSE & GOALS: to specialize in energy-conserving design, passive and active solar energy systems design and integration and energy-conscious design
AREAS OF INTEREST: passive solar, energy-conscious design
THINGS THEY DO: theoretical and applied architectural projects; applied projects include solar houses, condominiums, office buildings and medical centers; brick masonry in energy-conserving design and phase II, energy performance standards for residential construction(from AIA Research Corp. and HUD/DOE)
SERVICES: design, design lectures, professor of architecture and building systems, School of Architecture, Mississippi State University
PUBLICATIONS: "The Role of Brick Masonry in Energy-Conservative Design"(1974, free from Brick Assn. of North Carolina, reprinted from AIA Energy Note Book, Feb. 1976, AIA, 14 pages), "Scratchbook: Designing with Natural Energies"(1978, $12, from School of Architecture, MS. State University)

ENGINEERING & INDUSTRIAL RESEARCH STATION

P. O. Drawer DE
Mississippi State, Mississippi 39762
(601) 325-2266

CONTACT: Dr. Ralph E. Powe, Director
ORGANIZATION SIZE: 107
annual budget-$1.5 million
TYPE OF ORGANIZATION: university/college
PURPOSE & GOALS: engineering research and development

AREAS OF INTEREST: all forms of alternative and convential energy, magnetohydrodynamics, conservation
THINGS THEY DO: engineering research in all energy areas--typical programs include magnetohydrodynamic power generation, solar total energy systems, energy audits for public schools, electrical load management for utilities, low head hydroelectric power, solar agricultural applications, economic effects of Federal regulations on nuclear power, gasification of lignite coal
SERVICES: research and development, speakers concerning results of their work
PUBLICATIONS: individual faculty members have numerous publications in all above areas

INSTITUTE OF ENVIRONMENTAL SCIENCE-UNIVERSITY OF SOUTHERN MISSISSIPPI

Box 8314, Southern Station
Hattiesburg, Mississippi 39401
(601) 266-7212

CONTACT: Dr. Charles R. Brent, Director
Mr. Jon Huey
ORGANIZATION SIZE: two
annual budget-$50,000
TYPE OF ORGANIZATION: university research institute
PURPOSE & GOALS: to promote environmental and energy research; to train environmental scientists; to provide community services in these areas
AREAS OF INTEREST: primarily solar, especially focusing and tracking collectors
THINGS THEY DO: offer B.S. in environmental technology; teach solar heating and cooling; do solar energy and environmental research; working on biosolar conversion of municipal sewage using water hyacinth systems
SERVICES: demonstration projects, speakers, technical studies, economic studies, community service is free if no written report is required; consulting is $200-300/day

MISSISSIPPI SOLAR COUNCIL

887 Briarwood Drive
Jackson. Mississippi 39211
(601) 956-4868

CONTACT: Dianne Ford
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to educate and encourage the citizenry of Mississippi in the use and development of solar and other related alternate energy sources, and in the general conservation of all energy resources
AREAS OF INTEREST: wood, alcohol fuels and other biomass, methane, passive and active dispersed solar, photovoltaics
PUBLICATIONS: Solar Visions. newsletter(the organization is new and has not yet accumulated experiences to share with us)

Missouri

ALTERNATIVE DWELLINGS

11301 Manchester
Kansas City, Missouri 64134
(816) 966-1313

CONTACT: Vince LaTona
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: architects
PURPOSE & GOALS: to design passive and active solar buildings for specific people and specific sites
AREAS OF INTEREST: passive solar
THINGS THEY DO: currently working on: five underground houses for individuals around the Kansas City area, two large commercial passive solar projects, 44-acre residential development for 30 earth-contact houses, with special consideration to appropriate technologies
SERVICES: consulting on passive solar and design of the same(fees are based on requirements of individual project)

credit: Coastal Plain EOA, Georgia

BAKEWELL CORPORATION *

8820 Ladue Road
St. Louis, Missouri 63124
(314) 862-5555

CONTACT: Ted Bakewell III, Vice-President
ORGANIZATION SIZE: 26 staff members
TYPE OF ORGANIZATION: real estate developer
PURPOSE & GOALS: to demonstrate the feasibility and sense of low energy commercial and residential buildings
AREAS OF INTEREST: passive solar, conservation
THINGS THEY DO: development and investment with emphasis on energy-tempered design; research into new building systems; experimental low-energy living system with use of existing resources
SERVICES: demonstration projects, video-tape, development in Missouri area

DEPARTMENT OF NATURAL RESOURCES, MISSOURI ENERGY PROGRAM

P. O. Box 1309, 1014 Madison Street
Jefferson City, Missouri 65102
(314) 751-4000

CONTACT: Mr. Fred Lafser, Director, DNR
Mr. J.W.Abbott, Program Director, MEP
ORGANIZATION SIZE: 40 full-time
annual budget-$1,600,000
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: assist all sectors of public in developing energy conservation programs and in developing alternate energy resources
AREAS OF INTEREST: passive solar, solar space and water heating, solar utilization in agriculture, biomass, cogeneration, coal utilization
THINGS THEY DO: broad spectrum of programs in energy management and alternate energy development for industries, commercial establishments, institutions, local governments, citizen's groups, individual residences; energy information, clearinghouse, weatherization program for low-income, elderly and handicapped
SERVICES: technical assistance and energy audits for institutions, governments, industries and businesses; free technical and consumer publications, hold seminars, workshops, demonstrations, and exhibits(all services are free)
PUBLICATIONS: bimonthly newsletter

DEPARTMENT OF TECHNOLOGY AND HUMAN AFFAIRS

Washington University, Box 1106
St. Louis, Missouri 63130
(314) 889-5455

CONTACT: Robert P. Morgan, Chairman
TYPE OF ORGANIZATION: university program
PURPOSE & GOALS: education; to carry out research on application of technology to societal problems; analysis, assessment
AREAS OF INTEREST: alternative energy technologies, energy policy, conservation, plant biomass, energy and international development
THINGS THEY DO: univeristy course program involved in energy technology, policy and planning; offering four courses in energy technology and policy
SERVICES: consulting, library, workshops, technical studies, speakers

ELECTRICAL ENGINEERING POWER PROGRAM

Univeristy of Missouri
Electrical Engineering Department
Rolla, Missouri 65401
(314) 341-4509

CONTACT: Prof. J.F. Morris, Director

ORGANIZATION SIZE: eight faculty members
annual budget-$200,000
TYPE OF ORGANIZATION: university program
PURPOSE & GOALS: to provide the state with a center of excellence in teaching and research devoted to the generation, transmission, distribution and utilization of electrical energy
AREAS OF INTEREST: electric power engineering
THINGS THEY DO: offer courses and degree work in these areas: Power Systems, Electrical Machinery, power electronics, high voltage
SERVICES: research planning, technical studies, seminars, workshops, consulting($300/day)
PUBLICATIONS: newsletter and reports-send SASE for complete listing

MISSOURI SOLAR ENERGY ASSOCIATES *

2008 Engineering
University of Missouri
Columbia, Missouri 65201
(314) 882-2121

TYPE OF ORGANIZATION: information source
AREAS OF INTEREST: solar energy
THINGS THEY DO: keeps members informed of solar energy developments and energy problems in the state
SERVICES: literature, referrals, library
PUBLICATIONS: "Ray of Sunlight"

MISSOURIANS FOR SAFE ENERGY

311 Cherry Street, Room 319
Columbia, Missouri 65201
(314) 449-5433

CONTACT: Mark Haim, Steve Johnson, Keith Schaeffer
ORGANIZATION SIZE: one paid staff; 1200 members
annual budget-$10,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to stop nuclear power in Missouri and to promote the use of renewable energy sources
AREAS OF INTEREST: all renewable energy sources, utilities, anti-nuclear, oil/natural gas
THINGS THEY DO: supporting Citizens for a Radioactive Waste Policy's initiative petition campaign to pass a law making operation of nuclear plants conditional on the solution of the waste problem
SERVICES: above for fees to cover costs of materials and/or transportation
PUBLICATIONS: Safe Energy News, bimonthly newsletter ($10 membership fee), Ionizing Radiation, a 4-page leaflet($4/hundred)

WEST CENTRAL MISSOURI RURAL DEVELOPMENT CORPORATION

Box 125
Appleton City, Missouri 64724
(816) 476-2185

ORGANIZATION SIZE: 150+
annual budget-varies
TYPE OF ORGANIZATION: community action agency
PURPOSE & GOALS: to serve as a source to help people help themselves
AREAS OF INTEREST: wind, wood, passive and active dispersed solar
THINGS THEY DO: involved in a Solar Utilization/ Economic Development and Employment Project (SUEDE)--to train 25 CETA employees to build and install 200 solar air collectors
SERVICES: weatherization(many other non-energy related programs include family planning, elderly assistance, head start, housing)

Montana

AERO

ALTERNATIVE ENERGY RESOURCES ORGANIZATION(AERO)

424 Stapleton Building
Billings, Montana 59101
(406) 259-1958

CONTACT: Kye Cochran, Ambassador/Coordinator
Wilbur Wood, Newsletter Editor
Joy Coombs, Administrator
ORGANIZATION SIZE: 3 full-time, 2 part-time
TYPE OF ORGANIZATION: community group; citizens educational membership group
PURPOSE & GOALS: to collect and disseminate information about energy conservation and the utilization of clean, renewable resources
AREAS OF INTEREST: solar, bio-fuels, wind, small-scale hydro-power, conservation, methane, wood
THINGS THEY DO: tour Montana with the New Western Energy Show(education center: 226 Power Block, Helena, MT 59601), including workshops, exhibits, theater; educate and organize citizens in communities for renewable energy activities and local energy planning; prepare educational presentation and curricula for schools; radio show; courses
SERVICES: workshops, demonstrations, speakers, networking, library, consulting, referrals, skits, music, curricula development
PUBLICATIONS: "Sun-Times", monthly newsletter($15/yr.) Sun Fun Coloring Book($1.15postpaid), The Energy Adventures of Ernie 'n Bud(comic/coloring book 50¢) ----------affiliate groups: AERO-West, 323 W. Alden, Missoula, MT 59801 and Pondera Solar Alliance, Box 1252, Conrad, MT 59425

BITTER ROOT RENEWABLE RESOURCES ORGANIZATION(BRRRO)

P. O. Box 322
Hamilton, Montana 59840
(406) 821-3615(home), 363-5190(office)

CONTACT: Jim Haynes, Steve Coffel
ORGANIZATION SIZE: one
annual budget-$6000 plus membership dues
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to assist local citizens to become more energy informed, self-sufficient and independent
AREAS OF INTEREST: wind, solar, conservation, composting, heat pumps, insulation, wood energy, biogas
THINGS THEY DO: sponsor energy forums for local citizens on above topics and related topics of their choice
SERVICES: locates resource, networkers, professional persons free of charge; plan to present solar greenhouse and food dryer workshops for a fee; hold regular open monthly meetings
PUBLICATIONS: "Small Town Renaissance"-story of Montana documented by Richard Poston(reprinted by Human Resources Division, Montana Dept. of Community Affairs, Greenwood Press, publishers, Westport, CT-Lib. of Congress #76-109300)

SHERMAN S. COOK *

Lincoln, Montana 59639
(406) 362-4445

TYPE OF ORGANIZATION: private citizen
PURPOSE & GOALS: individual utilization of renewable alternative energy sources
AREAS OF INTEREST: solar, wood
THINGS HE DOES: research on more efficient uses of waste for heat(fuel); low-cost solar heating system; installed wood-fired boiler(1973) with stored-heat feature; working on construction of new boiler for obtaining nearly complete combustion of volatile products of wood distillation
SERVICES: demonstration projects, consulting on an informal basis; specific questions answered through mail(send SASE)

DRAPES ENGINEERING *

202 Ecklund Building
Great Falls, Montana 59401
(406) 452-9558

CONTACT: Alex Drapes, President
ORGANIZATION SIZE: 23
TYPE OF ORGANIZATION: engineering consultants
PURPOSE & GOALS: to design HVAC systems and emphasis on energy conservation and renewable energy
AREAS OF INTEREST: conservation, solar, wind
THINGS THEY DO: design and consulting on solar and wind systems; working on design of underground school to include solar energy; analysis of buildings for energy conservation using life cycle costing
SERVICES: design, feasibility studies

F & W ECONOHEAT, INC.

Rt. 2, Box 487
Belgrade, Montana 59714
(406) 388-4911

CONTACT: DeVere Williams, President
Ole Field, Vice-President
Dave Williams, Secretary-Treasurer
ORGANIZATION SIZE: five staff members
annual budget-$200,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture, distribute, and sell the BHV systems(controlled forced air fireplace)
AREAS OF INTEREST: forced air, solar furnace heating, wood
THINGS THEY DO: manufacture wood burning stoves, box stoves, fireplace inserts, wood burning furnaces
SERVICES: demonstration projects, speakers, workshops, advertising, informal consulting(northwest U.S.)

L. CLARK MACDONALD *

Bootlegger Trail
Great Falls, Montana 59401
(406) 452-5967

ORGANIZATION SIZE: one
annual budget-$9,000
TYPE OF ORGANIZATION: private citizen
PURPOSE & GOALS: to show that a reasonably-priced solar heating system can be within the means of the average homeowner
AREAS OF INTEREST: solar, hydrogen, some wind and high-temperature solar
THINGS HE DOES: adding solar heat to an existing home; hopes to establish a dealership for a wind-electric system and heat pumps
SERVICES: demonstration projects, consulting, literature

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

Montana Bureau of Mines and Geology
Butte, Montana 59701
(406) 792-8321

CONTACT: Director S. Groff, Dr. Gordon Zucker, Dr. L. Herndon
ORGANIZATION SIZE: approximately 100
annual budget-$2 million+
TYPE OF ORGANIZATION: university and research institute
PURPOSE & GOALS: to further these sciences
AREAS OF INTEREST: fossil fuels, solar, geothermal
SERVICES: demonstration projects, technical and economic studies, consulting, library(fees evaluated on an individual basis)
PUBLICATIONS: write for information

MONTANA SUNFLOWER, INC.

Box 145, Route #1
St. Ignatius, Montana 59865
(406) 745-4125

CONTACT: Anthony McIlvain Ostheimer, President
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: manufacturer, retailer, consultant
PURPOSE & GOALS: to consult in energy conservation and alternative renewable energy sources and retrofits
AREAS OF INTEREST: alcohol fuels, passive and active dispersed solar, energy conservation and heat recycling methods
THINGS THEY DO: dealer for Revere Copper & Brass, and Daystar division of Exxon Corp., experiments in solar photovoltaics, manufactures "Sunflower" Solar Thermal collector arrays, working on waste heat recycling system for hydroponic greenhouse, greenhouses as heat generators
SERVICES: consulting--design of complete systems, slide illustrated talks on energy and solar thermal methods, energy conservation audits
PUBLICATIONS: none published

THE NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY

P. O. Box 3838
Butte, Montana 59701
(406) 494-4572

815 15th St., NW
Washington, DC 20005
(202) 347-9193

CONTACT: Edwin Kepler, Executive Director
Tom Pelletier, Public Information Specialist
Scott Sklar, Director, DC Office
ORGANIZATION SIZE: 100
annual budget-about $4 million
TYPE OF ORGANIZATION: nonprofit corporation funded by the Community Services Administration(CSA)
PURPOSE & GOALS: scientific research, demonstration and development of low cost appropriate technologies; small grants to help disseminate and promote these technologies; information service and publications to distribute information and promote awareness of appropriate technology, particularly to low income groups and Community
policy papers and other material to public officials
AREAS OF INTEREST: wind, wood, alcohol fuels, methane and other biomass, solar, greenhouses, community gardening, building rehabilitation and weatherization, direct marketing
THINGS THEY DO: one-fourth of the finances for grants-in-aid to low income groups; staff performs technical assistance, research and testing; projects of grantees are monitored; ten field representatives across the country help distribute information and coordinate A.T. activies; a newspaper the A.T. Times, is written, printed and distributed; publications on a variety of topics from technical research to "how-to" brochures are available
SERVICES: library, speakers, grants, exhibits, slide-tape shows, publications, newspaper
PUBLICATIONS: a wide variety is available; copies of an annotated publications list are free; publications and the newspaper may be purchased at bulk rates

SUNSHINE ENGINEERING

Box 1776
Gildford, Montana 59525
(406) 376-2542

CONTACT: J. Levi Hanson, P.E.
ORGANIZATION SIZE: 1-3
TYPE OF ORGANIZATION: consulting
PURPOSE & GOALS: to aid in implementing passive solar utilization and construction of earth-sheltered dwellings, by providing professional consulting at a reasonable cost
AREAS OF INTEREST: wind, passive solar, earth shelter
THINGS THEY DO: consulted on approximately six houses to be started this spring; at least as many projects are coming up
SERVICES: consulting($20/hour)

Nebraska

BLUE VALLEY COMMUNITY ACTION

Box 273
Fairbury, Nebraska 68352
(402) 729-2278

CONTACT: William Thomas--Energy Director
ORGANIZATION SIZE: 22(Energy Dept.--five)
annual budget-$500,000 to $1 million
(Energy Dept.-$200,000)
TYPE OF ORGANIZATION: citizen group, nonprofit
PURPOSE & GOALS: to alleviate the causes of poverty for low-income families and senior citizens on fixed incomes; energy dept.--weatherization
AREAS OF INTEREST: wind, wood, methane, solid wastes, passive solar, utilities, conservation of home energy
THINGS THEY DO: fit 800 homes with insulation and infiltration improvements in the last three years; 200 preventions of utility cut-offs
SERVICES: library on alternatives and conservation, workshops, demonstration, classroom training, solar projects;(Bill Thomas does consulting)
PUBLICATIONS: "Update", agency bimonthly publication

DEMPSTER INDUSTIRES, INC.

711 South 6th
P. O. Box 848
Beatrice, Nebraska 68310
(402) 223-4026

CONTACT: Keith Lynch, Catalog Manager
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: manufacture of windmills(water-pumping), electric-powered systems, fertilizer equipment
SERVICES: will answer informational requests

THE CLARK ENERSEN PARTNERS

600 NBC Center
Lincoln, Nebraska 68508
(402) 477-9291

CONTACT: Charles L. Thomsen
ORGANIZATION SIZE: 45
TYPE OF ORGANIZATION: architectural and engineering firm
AREAS OF INTEREST: passive and active solar
THINGS THEY DO: design of passive solar heating systems; design of active solar heating, cooling and water heating, and process heating systems; energy audits
SERVICES: demonstration projects, economic studies, consulting(professional fees)
PUBLICATIONS: newsletter

GREATER OMAHA COMMUNITY ACTION, INC.

1805 Harney Street
Omaha, Nebraska 68102
(402) 341-8060

CONTACT: Bryan Whiting
ORGANIZATION SIZE: 71
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: anti-poverty community action agency; in energy-related programs---to provide education and weatherization for poverty-stricken neighborhoods
AREAS OF INTEREST: solar, utilities, conservation
THINGS THEY DO: construct and install low technology solar window heating units for low-income homeowners; design and build attached solar greenhouses; prepare exhibits and displays; give technical training to low-income youths
PUBLICATIONS: newsletter

IONIC SOLAR INC.

8934 "J" Street
Omaha, Nebraska 68127
(402) 339-2420

Branch: Nashville, TN
(615) 242-1017

CONTACT: Garry D. Harley, President
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: distributor of solar equipment; design and installation of solar systems; passive design; industrial process heat(solar)
PURPOSE & GOALS: sales and distribution of solar equipment; turnkey management
AREAS OF INTEREST: passive solar, high-temperature solar
THINGS THEY DO: have completed and installed over 18,000 sq.ft. of flat plate collectors on various projects: swimming pool heating, apartment building domestic hot water preheating, single family solar homes, passive homes in construction, hog building
SERVICES: sales of MIROMIT hot water solar collectors, demonstration project, applications, workshops, consulting($22.50/hr.), library (copying costs charged)

MIDWEST ENERGY ALTERNATIVES

2444 B Street
Lincoln, Nebraska 68502
(402) 477-3101

CONTACT: Lincoln B. Justice

ORGANIZATION SIZE: 500+ members

TYPE OF ORGANIZATION: nonprofit educational community group

PURPOSE & GOALS: to promote energy alternatives and conservation for homes, transportation, industries and business

AREAS OF INTEREST: public education, idea exchange, government relations, solar

THINGS THEY DO: act as clearinghouse for supply, publishing, networking in Nebraska and neighboring states

SERVICES: library, networking, speakers, models, hands-on workshops, displays, solar house tours, courses, seminars , conference with key leaders and interest groups

PUBLICATIONS: monthly newsletter

SMALL FARM ENERGY PROJECT *

Center for Rural Affairs
P. O. Box 736
Hartington, Nebraska 68739
(402) 254-6893

CONTACT: Dennis Demmel, Co-director
Ron Krupicka, Co-director
(Don Ralston, Co-director-Center for Rural Affairs; Box 405, Walthill, Nebraska 68067)

ORGANIZATION SIZE: one
annual budget-CSA funded

TYPE OF ORGANIZATION: research and demonstration project

PURPOSE & GOALS: to demonstrate the feasibility of implementing energy conservation techniques and proven renewable renovations on 25 low-income farms in Cedar County, Nebraska; to demonstrate that small farms can attain a greater degree of self-sufficiency

AREAS OF INTEREST: insulation, wind-water pumps, wind generators, solar heating, solar grain drying, methane, composting, organic farming and crop rotations, windbreaks, bio-fuels

THINGS THEY DO: measure energy use of farms and savings generated by new innovations; measure effects of energy savings on income; design and implement energy saving innovations; compare results with conventional farms

SERVICES: publications, slide show presentations, participate in workshops, farm tours, library

PUBLICATIONS: irregular newsletter-Small Farm Energy Project Newsletter, bibliographies, solar plans-send SASE for listing

Nevada

CITIZEN ALERT

Box 1681
Las Vegas, Nevada 89101

CONTACT: Bill Vincent

ORGANIZATION SIZE: 100 members

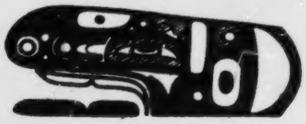
TYPE OF ORGANIZATION: grassroots citizen group

PURPOSE & GOALS: to oppose the spread of nuclear waste dumping and to encourage the use of clean energy sources; to build a citizens' organization in Nevada concerned with energy, natural resources and land use, government and human services

AREAS OF INTEREST: geothermal, solar, conservation, nuclear wastes, wind energy, MX

THINGS THEY DO: grassroots organizing, public education, advocacy and research on energy issues and other issues affecting Nevada's citizens

SERVICES: technical assistance to social change and



New Hampshire

BANWELL WHITE & ARNOLD, INC.

2 West Wheelock Street
Hanover, New Hampshire 03755
(603) 643-3772

CONTACT: C. Stuart White, Jr.

ORGANIZATION SIZE: seven(approx.)

TYPE OF ORGANIZATION: architectural office

PURPOSE & GOALS: actively engaged in energy conservation and solar development since 1973;

AREAS OF INTEREST: wood, passive solar, active dispersed solar

THINGS THEY DO: building experiences include schools, office buildings, warehouses and residences; solar consultant to Brookhaven National Laboratories and Northeast Solar Energy Center

SERVICES: in connection with above-have given seminars and public lectures in New England area

STOP NUCLEAR POWER • CLAMSHELL ALLIANCE •

CLAMSHELL ALLIANCE

62 Congress Street
Portsmouth, New Hampshire 03801
(603) 436-5414 or 431-5942

ORGANIZATION SIZE: seven staff
annual budget-$75,000
TYPE OF ORGANIZATION: citizen action group
PURPOSE & GOALS: to stop construction of a nuclear power plant in Seabrook, N.H.; to assist efforts to stop nuclear power development in New England; to re-assert the right of citizens to be fully informed, and then to decide the nature and destiny of their own communities; to acheive these goals through direct non-violent action such as one-to-one dialogue, public prayer and fasting, public demonstrations, site occupation, and other means which put life before property
AREAS OF INTEREST: anti-nuclear, favoring decentralized, renewable alternatives and public control of energy
THINGS THEY DO: has organized many demonstrations, including a civil disobedience action at Seabrook which resulted in the arrest of 1415 activists; held rally in 1978 which drew 18000 people; local groups organize and hold educational campaigns; hold teach-ins, canvassing, rallies, rate-hike fights
SERVICES: speakers; resource materials, publish newsletter(ask donations to cover expenses for general and specific information requests)
PUBLICATIONS: The Clamshell Alliance News($3/yr., bimonthly), anti-nuclear leaflets, buttons, bumper stickers, other literature

COMMITTEE ON SCIENCE & TECHNOLOGY *

N.H.House of Representatives
Room 408, Legislative Office Building
Concord, New Hampshire 03301
(603) 271-1110

CONTACT: Rep. Malcolm Taylor, Chairman
ORGANIZATION SIZE: 48- staff in legislature
TYPE OF ORGANIZATION: standing legislative committee
PURPOSE & GOALS: to evaluate legislation related to science and technological change or development and to recommend passage, defeat or further study
AREAS OF INTEREST: legislative aspects of bioconversion, conservation, fossil fuels, nuclear, wood, solar technologies, utility rate structures
THINGS THEY DO: presently evaluating proposals on bills concerning the above; undertaking studies and recommending legislation

CSI SOLAR CENTER

Route 12 Street
Walpole, New Hampshire 03608

CONTACT: Harry Wolhandler, Director of Marketing
John Christopher, President
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: manufacturer, solar designers
PURPOSE & GOALS: to design and manufacture warm-air solar space heating components, including collectors, air-moving/valving equipment and control equipment
AREAS OF INTEREST: passive solar, active dispersed solar, hybrid solar
THINGS THEY DO: provide technical assistance and training programs to conventional contractors and HVAC contractors; programs include solar design, system design, contractor support, customer service; building New Solar Headquarters building, under Dept. of Energy commercial demonstration program; solar activities designed to promote professional delivery of solar to New England
SERVICES: above, engineering consulting(fees vary); demonstrations for building trade groups(free to qualified groups)
PUBLICATIONS: brochures on solar components, CSI Solar Installation Operation, and Maintenance Manual($5 each)

DARTMOUTH RESOURCE POLICY CENTER

Box 8000, Dartmouth College
Hanover, New Hampshire 03755
(603) 646-3551

CONTACT: Professor Dennis Meadows
ORGANIZATION SIZE: 45
annual budget-$700,000
TYPE OF ORGANIZATION: research institute, graduate studies program
PURPOSE & GOALS: to study the long term implications of current growth-oriented policies; develop improved resource forecasting and planning procedures; design a sustainable energy system for New England
AREAS OF INTEREST: wood-fired power plants, wind, solar, conservation
THINGS THEY DO: use satellite data for managing New England's wood resources; develop simulation models for analyzing social, economic, environmental and technical constraints on use of appropriate energy technologies esp. wood stoves/boilers
SERVICES: speakers, demonstration projects, economic and technical studies, workshops and exhibits, consulting
PUBLICATIONS: on coal, wood, electricity use-send SASE for listing

DONOVAN & BLISS *

Chocorua, New Hampshire 03817
(no phone)

CONTACT: Raymond W. Bliss, Senior Partner
TYPE OF ORGANIZATION: engineering physicists, designers
AREAS OF INTEREST: solar space heating, design
THINGS THEY DO: professional engineering design for buildings and associated heating and cooling systems

ENERGY ALTERNATIVES UNLIMITED *

Box 219
Henniker, New Hampshire 03242
(603) 428-7032

eau
ENERGY ALTERNATIVES UNLIMITED

CONTACT: Tedd Evans, President
ORGANIZATION SIZE: seven
TYPE OF ORGANIZATION: distributor/installer
PURPOSE & GOALS: to inform, guide, and instruct consumers in energy conservation; to educate and make available information and products in alternate energies and energy conservation
AREAS OF INTEREST: conservation, solar
THINGS THEY DO: solar installations; plan to have solar demonstration homes using predominantly passive solar systems with emphasis on design and energy conservation
SERVICES: installations, demonstration projects, workshops, exhibits, speakers, consulting, economic studies

HEATING RESEARCH

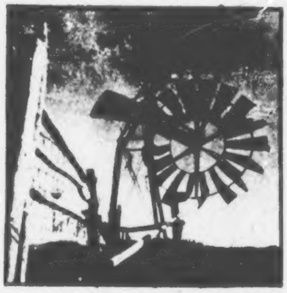
Box 72
Alstead, New Hampshire 03602

CONTACT: David Lyle
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: individual
PURPOSE & GOALS: to gather information on wood-burning heat storage stoves made of masonry and tile
AREAS OF INTEREST: wood, passive solar
THINGS HE DOES: has book in preparation, which will consider use of such stoves in combination with passive solar; heat storage stoves with wood fuel are a traditional heating system in the world outside North America
SERVICES: none at present; consulting services later; welcomes contact from people working in the same field

NEW HAMPSHIRE ENERGY COALITION

P. O. Box 4545
Manchester, New Hampshire 03108
(603) 431-5089--Dick Lewis

CONTACT: Don Schultz(603-772-3941), Kirk Stone (603-627-4439), Barbara James(603-772-6830)
ORGANIZATION SIZE: 6-8 hardworking volunteers
annual budget-$55,000(anticipated)
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to reassess the probable future demand for energy, particularly electricity, in New Hampshire; to develop an economically practicable plan for New Hampshire that emphasizes conservation, increased energy efficiency and renewable resources; to encourage public understanding and participation in future energy development; to aid in the carrying out of sound energy policy and projects through research, educational efforts and community action; to study possible reform of the structure of the electric utility system and its regulation
AREAS OF INTEREST: wind, wood, biomass, hydroelectric, solid wastes, passive and active dispersed solar, photovoltaics, geothermal, utilities
THINGS THEY DO: study to project electricity demand in New Hampshire; public education based on research; research and catalog renewable resources in the state; plan work with the legislature, more research, increased public education; develop educational materials for schools
SERVICES: slide show available depicting renewable energy sources; speakers
PUBLICATIONS: "Long Range Forecast of Electric Energy and Demand in New Hampshire" by Energy Systems Research Group, Inc. in Boston; "New Hampshire's Renewable Energy Resources: An Introduction to Their Availability & Their Use" by The Technical Committee of the NH Energy Coalition



SOCIETY FOR THE PROTECTION OF NEW HAMPSHIRE FORESTS

5 South State Street
Concord, New Hampshire 03301
(603) 224-9945

CONTACT: Cleve Kapala, Policy Coordinator
ORGANIZATION SIZE: 15 plus volunteers
TYPE OF ORGANIZATION: membership non-profit education, conservation group
PURPOSE & GOALS: to promote the wise use and management of natural resources; to establish a clearinghouse for information on wood as an energy source; working with state toward sound natural resources legislation
AREAS OF INTEREST: all of the state's resources
THINGS THEY DO: all phases of education and assistance to landowner and municipalities
SERVICES: library, literature, films, workshops and exhibits
PUBLICATIONS: Forest Notes, quarterly magazine; Forest News and Wood 'n Energy, newsletters, Guiding Growth, a handbook for New Hampshire townspeople; send for listing, free

SOLAR DATA

13 Evergreen Road
Hampton, New Hampshire 03842
(603) 926-8082

CONTACT: Dick Livingstone, Publisher
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: publishing, distribution and research firm
AREAS OF INTEREST: solar, photovoltaics, alternative energy
THINGS THEY DO: particiapte in energy fairs and meetings; plan publications on solar energy; distribute some 70 alternative energy books through the mail
SERVICES: speakers, workshops, literature
PUBLICATIONS: "Directory of the Solar Industry"-third edition($20)

SOLAR ENERGY CO. *

SOLAR ENERGY

49 Hampshire Road
Nashua, New Hampshire 03060
(603) 883-4600

CONTACT: Roger L. Papineau, President
ORGANIZATION SIZE: sole proprietorship
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to conduct a successful business in the areas of solar energy, wood energy, energy conservation and waste energy reclamation
AREAS OF INTEREST: solar, conservation
THINGS HE DOES: research in new processes; solar swimming pool heating systems; combined solar/wood systems
SERVICES: speaker, workshops, exhibits, economic studies(fees on request)

SOLAR SURVIVAL

Cherry Hill Road
Harrisville, New Hampshire 03450
(603) 827-3797

CONTACT: Leandre Poisson, Director
ORGANIZATION SIZE: eight staff members
TYPE OF ORGANIZATION: private entorprise
PURPOSE & GOALS: cluster of small decentralist groups working on cottage industry scale; focus on solar living concept; aim to establish a solar culture in this country, not to build a solar industry
AREAS OF INTEREST: conservation, solar, wood and small-scale intensive organic farming
THINGS THEY DO: developed a solar food dryer and solar heat assisted gardening for year-round organic food production; design passive solar homes and greenhouses; developed low-cost passive solar system for retrofit on existing homes; developed an insulating shutter for passive houses & greenhouses
SERVICES: local, regional, state: lectures, courses, sell plans for inventions, kits
PUBLICATIONS: books and educational aids that relate to solar living; plans and kits of their own design

see Addenda, page 123, for SolarVision, Inc.

SVENDBORG COMPANY, INC.

85 Mechanic Street
Lebanon, New Hampshire 03766
(603) 448-5065

CONTACT: Mr. Garlan E. Hoskin, President
ORGANIZATION SIZE: five
annual budget-$1.5 million
TYPE OF ORGANIZATION: importer of wood and coal burning stoves from Denmark, W. Germany, Canada
PURPOSE & GOALS: to encourage the use of wood heat and to retail wood stoves(and coal)
AREAS OF INTEREST: wood, coal
THINGS THEY DO: participation in efforts of Wood Energy Institute
PUBLICATIONS: "The Lange Stove Catalog and Wood Heat Guide"-send for a copy

TOTAL ENVIRONMENTAL ACTION

CHURCH HILL
HARRISVILLE
N.H. 03450
603-827-3374

CONTACT: Hilda Wetherbee, Vice-President, Information Services
ORGANIZATION SIZE: 30
TYPE OF ORGANIZATION: design, engineering, consulting, research and education
PURPOSE & GOALS: to develop and implement sound solutions to problems of energy and the environment and to make these solutions so practical and attractive that society at large will adopt them
AREAS OF INTEREST: energy conservation, solar, wind, alternative energies, methane; especially passive solar
THINGS THEY DO: solar home designing and engineering; energy conservation home design; research; development of education and information packet on energy conservation
SERVICES: workshops, book mail order, designing, consulting, engineering, teaching, audio-visuals, occasional lecturing
PUBLICATIONS: many on solar, wind power, wood, solid wastes, construction for the do-it-yourselfer; send for free listing

UPPER VALLEY ENERGY COALITION

18B Mascoma Street
Lebanon, New Hampshire 03766
(603) 448-1882

CONTACT: Jack Krause, Coordinator
ORGANIZATION SIZE: one(half-time)
annual budget-$6500
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: educational/activist organization; to oppose the proliferation of nuclear power; to favor and promote development of alternatives(particularly community-owned hydro generating facilities
AREAS OF INTEREST: wind, wood, alcohol fuels, hydroelectric, passive solar, utilities

THINGS THEY DO: one task force has initiated an attempt to have local communities obtain a license for the Wilder Dam on the Connecticut River(currently operated by N.E. Power Co.); initiating a program of taking films, slide presentations to schools, community groups
SERVICES: speakers' bureau, films, slide shows(part-owner of Danish film--"More Nuclear Power Stations"--which they make available anywhere)
PUBLICATIONS: reprints of articles by Helen Caldicott on nuclear power/weapons, "At the Crossroads" (10¢/each + postage for bulk orders); 12-page tabloid, "Upper Valley Community Power"--discusses the possibility of a community takeover of the Wilder Dam Hydro facility

DANIEL ZWILLINGER *
FRYDENLUND CO.

Laurel Lane
New Boston, New Hampshire 03070
(603) 487-2721

CONTACT: same
ORGANIZATION SIZE: one
annual budget-$10,000
TYPE OF ORGANIZATION: private company
PURPOSE & GOALS: to develop a low-cost, high-efficiency solar panel for heating for the individual homeowner and small or large builder; plus develop wind energy material
AREAS OF INTEREST: wind, solar home heating
THINGS HE DOES: owns a solar home, recently developed and patented a solar heat collection panel design for distribution; low elevation gust-proof windmill for home installation(in model stage)

New Jersey

BERGEN COUNTY OFFICE OF ENERGY CONSERVATION

355 Main Street
Hackensack, New Jersey 07601
(201) 646-3507

CONTACT: Ruth Puglisi, Director
Kevin Russell, Assistant Director
ORGANIZATION SIZE: forty staff
TYPE OF ORGANIZATION: nonprofit government agency
PURPOSE & GOALS: to provide Bergen residents with a wide variety of free energy conservation programs, and to act as an energy information center
AREAS OF INTEREST: conventional fuel sources, alternate technology, conservation; energy-related legislation on the county, state and federal levels
THINGS THEY DO: train CETA staff to provide services described below; refer persons to proper agencies for participation in winter heating aid, weatherization, solar grants and other programs
SERVICES: includes home, municipal, schools, and multi-family dwelling audits; student energy awareness program; car and vanpooling programs; slide show presentations; sponsorship of energy symposiums and forums; information research on alternate technologies and conservation methods; legislative research; comprehensive energy library and school displays---all programs are free of charge
PUBLICATIONS: Energy News in Review(weekly), Bergen Energy News(periodic 4-page newsletter)

Berry Solar Products

A division of The Berry Group
Woodbridge at Main
Post Office Box 327
Edison, New Jersey 08817

201 549 3800

CONTACT: Calvin C. Beatty, General Manager
ORGANIZATION SIZE: 70
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to sell efficient solar products; to produce coil-plated selective coatings for thermal solar applications
AREAS OF INTEREST: passive solar, active dispersed solar, collector housing materials
THINGS THEY DO: DOE research on selective coating, development of passive product; development of solar air duct; promotion and marketing of their products to solar manufacturers and do-it-yourselfers
SERVICES: information available on products

CALMAC MANUFACTURING CORPORATION *

150 South Van Brunt Street
Englewood, New Jersey 07631
(201) 569-0421

CALMAC

CONTACT: John Armstrong, Vice-President
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: manufacture heating and cooling equipment
AREAS OF INTEREST: thermal storage, solar, conservation
THINGS THEY DO: participate in demonstration and workshops as part of their marketing program
SERVICES: above, informal consulting, informational requests answered

CENTER FOR ENERGY AND ENVIRONMENTAL STUDIES

D 329, Engineering Quadrangle
Princeton University
Princeton, New Jersey 08540
(609) 452-5445

CONTACT: Robert H. Socolow, Director
Selma L. Lapedes, Assistant
ORGANIZATION SIZE: 22
annual budget-$970,000
TYPE OF ORGANIZATION: university/research group
PURPOSE & GOALS: focal point in the University, supporting environmental and energy research; enables students to work in collaborative programs between the Center and University departments
AREAS OF INTEREST: conservation, fossil fuels, methane, wind and some solar-for research

THINGS THEY DO research energy conservation in residential housing; study nuclear policy alternatives; nuclear energy safety; energy requirements for transportation; plan to work on programs in food, energy, water and their interrelationships
SERVICES: demonstration projects, speakers, planning, studies, seminars, workshops, library
PUBLICATIONS: reports are published in scientific journals available in libraries; also available at request from the Center

CITIZENS ENERGY COUNCIL *

Box 285
Allendale, New Jersey 07401
(201) 327-3914

CONTACT: Larry Bogart, National Coordinator
ORGANIZATION SIZE: 2,000 members
TYPE OF ORGANIZATION: national with representatives in 37 states; voluntary
PURPOSE & GOALS: to advocate the development of energy from renewable sources rather than more development of fossil and nuclear power
AREAS OF INTEREST: anti-nuclear, fossil fuels, conservation
THINGS THEY DO: conduct seminars, political education program, brief elected officials on energy
SERVICES: seminars, speakers, literature, consulting, library of films
PUBLICATIONS: monthly newsletter

HARRISON FRAKER, ARCHITECT

729 Alexander Road
Princeton, New Jersey 08540
(609) 452-8231

CONTACT: same
ORGANIZATION SIZE: six
annual budget-$200,000
TYPE OF ORGANIZATION: architects
PURPOSE & GOALS: comprehensive architectural design services specializing in energy conservation, active and passive solar building design
AREAS OF INTEREST: solar, wind,conservation to be used in building design
THINGS THEY DO: have designed many buildings using solar(Princeton Education Center at Blairstown, various residences in Princeton and area); plan to continue to develop specific and prototypical energy conserving building designs for housing, office and commerical uses
SERVICES: demonstration projects, feasibility studies, speakers, planning, workshops, technical and economic studies(fees according to job)

GENERAL SOLAR HEATING, INC. *

P. O. Box 273
Cranford, New Jersey 07016
(201) 242-7575

CONTACT: Gerald Gelber, President
R. Todd Rosenburgh, Vice-President
ORGANIZATION SIZE: six
TYPE OF ORGANIZATION: commercial corporation
PURPOSE & GOALS: design, sales, and installation of solar heating equipment and energy conservation technology
AREAS OF INTEREST: solar residential heating and cooling
THINGS THEY DO: have built solar homes and installed smaller units for special applications
SERVICES: demonstration projects, speakers, consulting(sliding scale, $300/day and up)

KELBAUGH & LEE ARCHITECTS

240 Nassau Street
Princeton, New Jersey 08540
(609) 924-9576

CONTACT: Doug Kelbaugh, Architect
ORGANIZATION SIZE: four plus collaborators
TYPE OF ORGANIZATION: architectural firm
PURPOSE & GOALS: to provide architectural services, both design and consulting, especially in passive solar heated and cooled buildings
AREAS OF INTEREST: solar, wood
THINGS THEY DO: designed and built over ten passive solar buildings including the Kelbaugh house in Princeton, the first modern Trombe wall passive solar house in the western hemisphere; consulted on dozens of other solar buildings; have given seminars and presentations at solar energy conferences
SERVICES: design, consulting, speaking
PUBLICATIONS: 15 slides, 2 blueprints, data and descriptions of Princeton house plus 250 page book on passive solar buildings ($50)

LEAGUE FOR CONSERVATION LEGISLATION *

P. O. Box 605
Trenton, New Jersey 08608
(609) 393-7432

CONTACT: Peter Lafen, Legislative Agent
32 West Lafayette Street
Trenton, NJ 08608
Vivien Li, President
Frank Oliver, Editor
ORGANIZATION SIZE: one staff member
annual budget-$11,000
TYPE OF ORGANIZATION: statewide public interest group, coalition(60 groups)
PURPOSE & GOALS: to lobby for environmental legislation
AREAS OF INTEREST: air and water quality, energy conservation, impact of energy on environment, land use policy, solid waste management, wild life
THINGS THEY DO: represent environmental groups before the legislature; lobbying for utility rate reform, land use policy and resource recovery
SERVICES: lobbying, workshops, speakers, membership ($10/yr.)
PUBLICATIONS: reports on above topics, newsletter

NEW JERSEY PUBLIC INTEREST RESEARCH GROUP(NJPIRG)

32 West Lafayette Street
Trenton, New Jersey 08608
(609) 393-7474

CONTACT: Executive Director
ORGANIZATION SIZE: 26
annual budget-$341,000
TYPE OF ORGANIZATION: public interest research, citizen action
PURPOSE & GOALS: to enrich student life and the educational experience by encouraging student citizenship and consumerism; to channel student concern into effective action
AREAS OF INTEREST: wind, passive solar, biomass, coal, hydroelectric, geothermal, oil/naturalgas, active dispersed solar, solid wastes, energy, consumer, environmental and women's issues
THINGS THEY DO: lobbying, publishing and research, teach school children about energy and conservation, sponsor seminars; VISTA project for energy conservation for low-income
SERVICES: Clean Water Action Project(CWAP) Streamwalking slide show, ERA slide show, speakers environmental and consumer issues
PUBLICATIONS: guides to banking services, utilities, nuclear power, fair credit for women; directories of social services; New Jerseyan's Guide to Solar Energy Systems-send for complete listings

PRINCETON ENERGY GROUP

729 Alexander Road
Princeton, New Jersey 08540
(609) 452-8235

CONTACT: Lawrence Lindsey
ORGANIZATION SIZE: eight full-time, plus part-time and consultants
annual budget-$200,000
TYPE OF ORGANIZATION: design research, consultants in alternative energy systems, specializing in passive solar heating, natural cooling and daylighting
PURPOSE & GOALS: to assist designers of ecologically sound and environmentally responsive environments; to promote the use of alternative energy sources and conservation of non-renewable sources
AREAS OF INTEREST: conservation, solar, wind, wood, hydroelectric
THINGS THEY DO: design and implement practical applications of natural energy resources; develop and publish hand calculator and microcomputer programs for use by designers of alternative energy systems
SERVICES: design consulting to architects and engineers; research in energy and buildings; speakers networking, workshops, demonstration projects, studies(costs vary with job and client)

SEA ALLIANCE

324 Bloomfield Avenue
Montclair, New Jersey 07042
(201) 744-3358

CONTACT: Clay Colt, Kate Donnelly(201/538-6676), publish SEA Alliance News(Box 271, New Vernon, NJ 07976)
ORGANIZATION SIZE: volunteer help
mailing list of approx. 1200+
annual budget-$4,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to oppose the planning and construction of nuclear power plants in New Jersey; to educate and non-violently stop nuclear power; to promote safe energy alternatives(SEA)
AREAS OF INTEREST: wind, wood, alcohol fuels, methane, passive and active dispersed solar, photovoltaics, organizing grassroots opposition to nuclear power, utilities
THINGS THEY DO: debate with local utility, held fundraising concert, alternative energy fair, statewide film series, letter-writing campaigns, organizing teach-ins, slide shows, talks; organizing demonstrations, participating in public hearings, testifying
SERVICES: will set up literature display and exhibit around the state(for expenses); set up coordinated statewide film series for costs
PUBLICATIONS: bulk quantities of reprints, buttons, bumper stickers, t-shirts-send for listing

SOLAR ENERGY CORPORATION(SOLEC)

553 Pretty Brook Road
Princeton, New Jersey 08540
(609) 924-1879

CONTACT: Robert J. Aresty
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: manufacturer, research and consulting
PURPOSE & GOALS: research and development in the field of tubular evacuated solar collectors, selective surfaces and simulation models
AREAS OF INTEREST: passive solar, active dispersed solar, photovoltaics
THINGS THEY DO: prototype testing of novel tubular evacuated collector, prototype testing microcomputer controlled differential thermostat and energy management system; sprayable selective surface (SOLKOTE®) due in early 1981
SERVICES: consulting, computerized solar design services for domestic hot water and heating
PUBLICATIONS: product/services borchures

SOLAR HEATING & COOLING MAGAZINE

20 Community Place
Morristown, New Jersey 07960
(201) 267-6040 ext. 56

CONTACT: Laura Benson MacKenzie, Managing Editor
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: national publication
PURPOSE & GOALS: cover installations and applications of available solar technology and industry news
AREAS OF INTEREST: passive and active dispersed solar
SERVICES: reader service
PUBLICATIONS: monthly magazine ($15/yr., $27/2 yrs.); annual buyer's guide included with subscription

SOLAR WAREHOUSE

140 Shrewsbury Avenue
Red Bank, New Jersey 07701
(201) 842-2210

CONTACT: Richard F. Brandt
ORGANIZATION SIZE: three
annual budget-$200,000
TYPE OF ORGANIZATION: manufacturer/distributor
PURPOSE & GOALS: supplier and manufacturer of solar and alternative energy equipment
AREAS OF INTEREST: passive and active solar
THINGS THEY DO: active in N.J. Solar Energy Assn., received several DOE funds for projects in domestic hot water and space heating; members of Solar Energy Industries Association
SERVICES: sell to trade, system design services
PUBLICATIONS: product--------universal mounting bracket for mounting solar collectors $29.80

STOCKTON STATE COLLEGE-ENERGY HOUSE *

NAMS
Pomona, New Jersey 08240
(609) 652-1776

CONTACT: Harold E. Taylor, Associate Professor of Astrophysics; Frank Scriemammo, Assistant Professor of Oceanography
ORGANIZATION SIZE: two staff members
annual budget-$10,000
TYPE OF ORGANIZATION: state university; a teaching/demonstration/research project of the Natural Science Division run by faculty
PURPOSE & GOALS: to study the practical alternative sources of energy for the average homeowner in southern New Jersey and area
AREAS OF INTEREST: solar and wind technologies
THINGS THEY DO: has done comparisons of the costs of energy from air systems vs. water systems, and active vs. passive systems; has studied different solar collector designs, vertical axis windmill(Darrius rotor), and developed a microprocessor control and data recording system
SERVICES: provides demonstration projects, literature, workshops and exhibits, technical studies, speakers(a typical speaker's fee is $25), consulting is done at $25/hour but varies with user's ability to pay

SUNWORKS

Division of Sun Solector Corp.
Subsidiary of Asarco
P. O. Box 3900
Somerville, New Jersey 08876

CONTACT: Ry C. Loope
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: manufacture and sales of solar equipment
AREAS OF INTEREST: domestic hot water, space heating, process hot water
THINGS THEY DO: have produced medium temperature flat plate collectors; sell prepackaged domestic hot water support racks
SERVICES: engineering assistance

New Mexico

APPROPRIATE TECHNOLOGY RESEARCH *

1938 Hano Road
Santa Fe, New Mexico 87501
(505) 988-3374 or 672-1152

CONTACT: C.D.Kolstad or D.P.Grimmer, Directors
ORGANIZATION SIZE: two
annual budget-$100(voluntary)
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to research and develop techniques that are at a scale accessible to individuals and small communities
AREAS OF INTEREST: appropriate technology, primarily wind and solar energy; research and development in technical and economic aspects of wind and solar primarily in rural areas
THINGS THEY DO: development of a low-cost Darrius wind turbine, examination of economics of solar retrofit for residential dwellings; hope to work on low-cost flywheels for residential energy storage
SERVICES: publish some materials(available for cost of copying and postage), demonstration projects, consulting($100/day plus expenses), and economic studies

BARKMANN ENGINEERING *

107 Cienega Street
Santa Fe, New Mexico 87501
(505) 982-8907

CONTACT: Herman Barkmann, Owner
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: engineering/consulting firm
AREAS OF INTEREST: energy conservation and efficiency, solar, fossil fuels, design systems for people to use(individuals)
THINGS THEY DO: participate in workshops on energy conservation in buildings; publishes and speaks on subject; designed and consulted on many heating and cooling projects in region
SERVICES: demonstration projects, planning, workshops, literature, consulting($35/hr.)

CASA DEL SOL CONSTRUCTION *

515 Edith N.E.
Albuquerque, New Mexico 87102
(505) 247-4605

CONTACT: Danny Nick Martinez, Owner/Designer
ORGANIZATION SIZE: two
annual budget-$100,000
TYPE OF ORGANIZATION: design and construction firm
PURPOSE & GOALS: designing and building solar homes; using materials readily available and practical
AREAS OF INTEREST: solar

THINGS THEY DO: use simple, basic solar heating applications incorporating passive and active designs building solar-assisted buildings for apartment complex; using adobe walls and rock bed storage; working on basic water collector with radiant heat pipes

SERVICES: consulting, speakers, workshops, exhibits, (available to public-cost negotiable)

ENERGY RESOURCES BOARD *

Box 2770
Santa Fe, New Mexico 87501
(505) 827-2472

CONTACT: Roger Easley, Director, Energy Conservation Division

ORGANIZATION SIZE: six

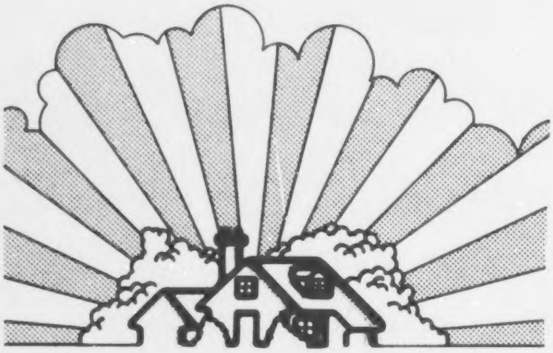
TYPE OF ORGANIZATION: state organization

PURPOSE & GOALS: to develop and direct New Mexico's energy conservation plan

AREAS OF INTEREST: conservation, solar applications

THINGS THEY DO: planning projects for public sectors dealing with energy conservation; public school energy audits, energy management plan for state agencies, van and car-pooling; state auto purchases(smaller energy-conserving cars); assistance to homeowners for retrofitting; direction of state Energy Extension Service

SERVICES: available to all state residents-planning, administrative and informational services



WILLIAM LUMPKINS

118 ½ West San Francisco Street
Santa Fe, New Mexico 87504
(505) 983-2616 or 983-3683

CONTACT: same

TYPE OF ORGANIZATION: consulting and engineering architect

PURPOSE & GOALS: designing solar homes

AREAS OF INTEREST: passive solar, wind, wood and conservation

THINGS HE DOES: research, architecture(40 years in solar design); first passive solar home(1935); seven under construction, six in design; has helped develop a Trombe Water wall

SERVICES: technical and economic studies, lobbying, workshops, planning and design, consulting on a fee basis

PUBLICATIONS: articles, features in publications

NEW MEXICO ENERGY INSTITUTE

Box 3EI, New Mexico State University
Las Cruces, New Mexico 88003
(505) 646-1745

CONTACT: Arlene H. Starkey, Assistant Director
Chandler Thompson, Technical Writer

ORGANIZATION SIZE: 3 plus support
annual budget-$106,000, admin.
1,150,000, research

TYPE OF ORGANIZATION: research and technology transfer

PURPOSE & GOALS: to seek solutions to fuel and energy problems for the benefit of New Mexicans in solar, wind, geothermal, waste conversion energy

AREAS OF INTEREST: same as above for research and development and technology transfer

THINGS THEY DO: promote alternative energy for N.M., geothermal equipment research, solar ponds for residential heating; initiation of wind power technical center; alternative energy economics and engineering feasibility with special emphasis on geothermal

SERVICES: demonstration projects, workshops, speakers, planning, public information, consulting

NEW MEXICO PUBLIC INTEREST RESEARCH GROUP(NMPIRG)

NM PIRG

Mesa Vista Hall, 1057
University of New Mexico
Albuquerque, NM 87106
(505) 277-2757

CONTACT: Jasmine Poole, Richard Holden
ORGANIZATION SIZE: one full-time, one part-time
annual budget-$10,000
TYPE OF ORGANIZATION: consumer advocacy group
PURPOSE & GOALS: to help bring about social change as well as provide an educational opportunity
AREAS OF INTEREST: energy, transportation, landlord/tenant problems
THINGS THEY DO: free carpool-matching service, run a landlord /tenant hotline, publish booklets, offer independent studies to students

NMSEA

NEW MEXICO SOLAR ENERGY ASSOCIATION

P. O. Box 20004
Santa Fe, New Mexico 87501
(505) 983-2861

CONTACT: Alex Wilson, Steven Meilleur
ORGANIZATION SIZE: 22
annual budget-$275,000
TYPE OF ORGANIZATION: citizen group, membership-2500+
PURPOSE & GOALS: to further solar and related arts, sciences and technologies with concern for the social, economic and ecologic fabric of the region; NMSEA seeks to accomplish this by the exchange of ideas and information at meetings, through publications and information centers.
AREAS OF INTEREST: passive solar, wind, wood, methane, water conservation, adobe construction
THINGS THEY DO: workhops-greenhouses, trombe wall, water; publications; slides; technical assistance-low-income community outreach to rural areas; education-training projects; affiliate program-decentralized renewable energy program in N.M.
SERVICES: above, speaker's bureau, library, workshops and design consulting focusing on low-cost tech
PUBLICATIONS: NMSEA Southwest Bulletin; The Sunpaper, 36 pages, monthly ($15/yr.); Grassroots Technology Transfer Manual(50pp.); Solar Crop Dryer Manual(12pp. (12pp.); Trombe Wall Manual(50pp.); and others

NEW MEXICO SOLAR ENERGY INSTITUTE

Box 3SOL, New Mexico State University
Las Cruces, New Mexico 88003
(505) 646-1846

CONTACT: Dr. Edward Lumsdaine, Director
ORGANIZATION SIZE: 32 plus support
annual budget-$600,000 (state funds)
TYPE OF ORGANIZATIONS: research, development and demonstration group
PURPOSE & GOALS: to set solar equipment standards for the state; to test solar equipment; to coordinate in-state research, development and demonstration projects; to keep New Mexicans abreast of solar research and to assure speedy application of sound new technologies; to coordinate the development of federal solar energy programs within the state
AREAS OF INTEREST: heating and cooling, wind, biomass, photovoltaics, information and education
SERVICES: testing and standards, modeling and analysis, dissemination of information and education in the above areas of interest

PASSIVE solar associates

P. O. Box 6023
Santa Fe, New Mexico 87501
(505) 983-1506

CONTACT: Sara Balcomb
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: teaching partnership--passive solar workshops
PURPOSE & GOALS: to conduct workshops-professional-level-and short courses on passive solar design, sizing, calculations, building, marketing and financing techniques
AREAS OF INTEREST: passive solar
THINGS THEY DO: conduct two-day workshops on the subject of passive solar heating; comprehensive workshops, designed for architects, engineers, builders and energy specialists
PUBLICATIONS: 300+ page workbook especially for use in the workshops--at this time, only available to those who attend workshops

SHELTON WOOD ENERGY RESEARCH

P. O. Box 5235
Santa Fe, New Mexico
(505) 983-9457

CONTACT: Dr. Jay W. Shelton
ORGANIZATION SIZE: four
annual budget-$100,000
TYPE OF ORGANIZATION: research institute
PURPOSE & GOALS: to generate and disseminate hard information on wood heating systems
AREAS OF INTEREST: wood energy, research
THINGS THEY DO: research, publishing
SERVICES: speaking, workshops, lectures
PUBLICATIONS: The Woodburner's Encyclopedia, Wood Heat Safety, and many reports and articles. Send SASE for current price list.

THE SOLAR ROOM COMPANY *

Box 1377
Taos, New Mexico 87571
(505) 758-9344

CONTACT: Stephen R. Kenin, President
William B. Betz, Vice-President

ORGANIZATION SIZE: seven staff
annual budget-$100-150,000
TYPE OF ORGANIZATION: solar manufacturer/distributor
PURPOSE & GOALS: to manufacture and sell solar heaters utilizing the concept of South Wall Attached Solar Heating--its trademark; research and development on passive solar, retrofit, and low-cost solar systems
AREAS OF INTEREST: solar
THINGS THEY DO: manufacture solar kits for national distribution; working with electric co-op on weatherization programs; testing Solar Room to compare its solar gain with other test modules; plan a project for outfitting low-income housing with solar greenhouses
SERVICES: consulting, technical studies, demonstration projects, exhibits, research

SOLAR SUSTENANCE PROJECT *

Rt. 1, Box 107AA
Santa Fe, New Mexico 87501

TYPE OF ORGANIZATION: citizen group
AREAS OF INTEREST: solar
THINGS THEY DO: design and construct low-cost greenhouse for food production
SERVICES: design, educational workshops, classes

SOUTHWEST RESEARCH & INFORMATION CENTER *

P. O. Box 4524
Albuquerque, New Mexico 87103
(505) 242-5354

TYPE OF ORGANIZATION: resource and research citizen group
PURPOSE & GOALS: to address the needs of the area by researching and litigating regional environmental issues
AREAS OF INTEREST: fossil fuels, nuclear power, solar energy, health, nutrition
THINGS THEY DO: maintain a library on relevant issues
SERVICES: library, literature
PUBLICATIONS: "The Workbook", a monthly newsletter of people and resources

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT ENERGY CONSERVATION AND MANAGEMENT DIVISION

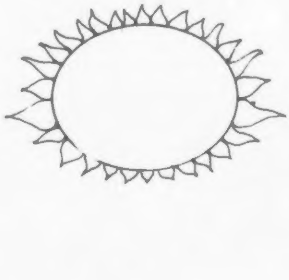
P. O. Box 2770
Santa Fe, New Mexico 87501
(505) 827-2471

CONTACT: Roger Easley, Energy Conservation and Management Division, Director
ORGANIZATION SIZE: thirteen
TYPE OF ORGANIZATION: state energy agency
AREAS OF INTEREST: energy conservation, solar applications, research and development
THINGS THEY DO: planning projects for public sector dealing with energy conservation; energy audits for schools, hospitals, state and local government buildings; energy management planning, car and vanpooling; residential and commercial conservation programs; assistance to homeowners for retrofitting and other conservation measures
SERVICES: Energy Hotline, Energy Extension Service-available to all state residents

UNIVERSITY OF NEW MEXICO *

Mechanical Engineering Department-Scholes Hall
Albuquerque, New Mexico 87131
(505) 277-6313 or 3746

CONTACT: E.B.Kasner, Director, Energy Center
K.T.Feldman, Professor, M.E.
M.W.Wildin, Professor, M.E.
ORGANIZATION SIZE: 16
annual budget-$600,000 for research
TYPE OF ORGANIZATION: university
PURPOSE & GOALS: to conduct research of practical use; to sponsor agencies; to develop practical energy systems for use by citizens
AREAS OF INTEREST: conservation, solar, wind, geothermal, research and development of new concepts and testing
THINGS THEY DO: working on heat recovery using heat pipe heat exchanges; heat pump testing and field performance; solar system design and testing for commercial buildings
SERVICES: co-sponsors symposiums, demonstration projects, speakers, technical studies, consulting and R&D contract work, literature, research service



ZOMEWORKS

P. O. Box 712
Albuquerque, New Mexico 87103
(505) 242-5354

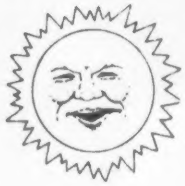
CONTACT: Steve Baer
ORGANIZATION SIZE: small
TYPE OF ORGANIZATION: distributor
AREAS OF INTEREST: solar
THINGS THEY DO: design, drafting, consulting, fabrication of skylids, beadwalls, solar water heaters and other solar products; research and development in solar energy and structural systems
SERVICES: literature, design, consulting, plans
PUBLICATIONS: Sunspots, beadwall, drumwall, solar water heater plans

New York

Advance technologies, Inc.

P.O. Box 387, Clifton Park, NY 12065 • (518) 371-2140

CONTACT: Edward O'Hanlon, President
James E. Niles, Solar Director
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to market solar hot water heating systems, energy conserving residences and commercial buildings, and solar greenhouses, through expansion of their dealer program
AREAS OF INTEREST: conservation, solar
THINGS THEY DO: produce a Zeroenergy Shelter, heat their own plant via solar energy alone; provide information to architects and builders regarding energy conserving architectures; produce active and passive solar equipment
SERVICES: workshops, demonstrations, exhibits, consulting on contract basis only



ARCHITECTS GROUP

Fern Hill, Harlemville
Ghent, New York 12075
(518) 672-7346

CONTACT: G. Raymond de Ris
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: partnership
PURPOSE & GOALS: design of residences, institutional and commercial buildings for maximum energy conservation and rediscovery of human values
AREAS OF INTEREST: wood, passive solar, energy conservation through building design
THINGS THEY DO: community development, land planning, architectural design and construction of six energy-efficient residences using solar and/or wood energy
SERVICES: architectural consulting($20/hr.)

BELTRAN ASSOCIATES INC. *

1133 East 35th Street
Brooklyn, New York 11210
(212) 338-3311

POLLUTION
ABATEMENT
AND
PROCESS
SYSTEM
ENGINEERS

CONTACT: E.V Beltran, President
M.R.Beltran, Vice-President
ORGANIZATION SIZE: 20
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: special designs and construction of industrial air pollution control and process heating equipment for industry and heat recovery
AREAS OF INTEREST: conservation, fossil fuels, methane for pollution control studies
THINGS THEY DO: manufacture and design industrial pollution control devices and heat recovery equipment
SERVICES: demonstration projects, economic studies, speakers, workshops, consulting
PUBLICATIONS: brochures(free)

BENTEL & BENTEL, A.I.A.

Architects/Planners
22 Buckram Road
Locust Valley, New York 11560
(516) 676-2880

CONTACT: Dr. Frederick R. Bentel, F.A.I.A.
Maria A. Bentel, F.A.I.A.
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: university/college, architects
PURPOSE & GOALS: architects/planners, architectural professors(School of Architecture, N.Y. Institute of Technology, Old Westbury, N.Y.)

AREAS OF INTEREST: wind, alcohol fuels, methane, passive and active dispersed solar, photovoltaics, geothermal
THINGS THEY DO: design of Solar Energy Center/N.Y. Institute of Technology; solar demonstration houses(in collaboration with Total Environmental Action Group); Brookhaven National Labs, Long Island
SERVICES: design, consulting

BIO-ENERGY SYSTEMS, INC.

221 Canal Street
Ellenville, New York 12428
(914) 647-6700

CONTACT: Joseph Conrad, Director of Marketing
ORGANIZATION SIZE: 55
TYPE OF ORGANIZATION: manufacturer, research and development
PURPOSE & GOALS: to design and market low-cost energy products for integrated energy management
AREAS OF INTEREST: solar and radiant heating
THINGS THEY DO: manufacture SolaRoll® systems for solar and radiant heating
SERVICES: demonstration projects, planning, speakers, technical studies, consulting on solar and radiant heating

celsius INSULATION RESOURCES, INC.

P. O. Box R
Weedsport, New York 13166
(315) 834-6693

CONTACT: Bruce Christopher, Vice-President
Ralph Christopher, Solar Energy Director
ORGANIZATION SIZE: 40+ employees
annual budget-$5 million+
TYPE OF ORGANIZATION: manufacturer/distributor/retailer
PURPOSE & GOALS: to distribute, nationwide, the Celsius urea-formaldehyde foam insulation, Celsius solar furnaces, Celsius fluemizer stack heat recovery systems and other energy-efficient products
AREAS OF INTEREST: solar insolation, heat recovery, wood, water and wind energy sources and establishment of dealerships nationwide
SERVICES: field service, demonstration projects, speakers bureau, exhibits, consulting($100 and up)
PUBLICATIONS: solar home designs, product literature, installation manual, home owner's guides

CENTER FOR ENERGY POLICY & RESEARCH

New York Institute of Technology
Old Westbury, New York 11568
(516) 686-7578

CONTACT: Dr. Gale Tenen-Spak, Deputy Director
Ms. Mickie Watterson, Associate Director, Information Services
ORGANIZATION SIZE: fifteen
TYPE OF ORGANIZATION: research and information dissemination agency
PURPOSE & GOALS: to develop increased energy action and awareness on all levels of the public and private sectors; dissemination of information dealing with conservation technologies and the application of renewable resources
AREAS OF INTEREST: energy and related issues; education programs, energy management, architecture audio-visual techniques, conservation
THINGS THEY DO: under federal contract--operate national clearinghouse for DOE Energy Extension Service/ State Energy Conservation Programs; provide design and organizational assistance in the establishment of energy information services
SERVICES: above, literature, technical assistance, back-up to state energy extension service
PUBLICATIONS: program reports, energy conservation guidelines and related materials; NYIT Energy Resource Notes, monthly bibliography of energy conservation and alternative energy material($15/ yr.); energy related videocassette programs($25 weekly rental)

CITIZENS COMMITTEE FOR THE PROTECTION OF THE ENVIRONMENT(CCPE) *

71 Pine Avenue
Ossining, New York 10562
(914) 762-1362

CONTACT: Irene P. Dickinson, Coordinator
Lindsay Audin, Alternative Energy Researcher
ORGANIZATION SIZE: no paid staff
annual budget-varies with funding
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to lift up to the public the issue of nuclear power and to stop the operation of Con Edison's three Indian Point nuclear plants
AREAS OF INTEREST: nuclear, lobbying
THINGS THEY DO: intervene in NRC hearings on Indian Point; cooperate with members of other coalitions against nuclear power; work with press and other media in education in alternate sources of energy; encouraging participation in anti-nuclear protests; talks in schools, colleges on wind, solar, anti-nuclear
SERVICES: lobbying, demonstration projects,workshops, library, networking(locally)

COMBUSTION EQUIPMENT ASSOCIATES, INC.

555 Madison Avenue
New York, New York 10022
(212) 980-3700

CONTACT: Edward V. Kelly, Public Information
ORGANIZATION SIZE: 2500
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to design, build and operate systems to abate pollution, recycle wastes, and produce energy
AREAS OF INTEREST: biomass, solid wastes, utilities
THINGS THEY DO: resource recovery projects, energy products and services, biomass conversion to energy
SERVICES: marketing, technology development, manufacturing

COMMITTEE FOR ECONOMIC DEVELOPMENT*

477 Madison Avenue
New York, New York 10022
(212) 688-2063

CONTACT: Claudia P. Feurey, Associate Director of Information
ORGANIZATION SIZE: 40
annual budget-$2 million
TYPE OF ORGANIZATION: nonprofit research and educational
PURPOSE & GOALS: to propose policies that will help bring about steady economic growth at a high employment rate and stable prices
AREAS OF INTEREST: national and international economic policy; management of government, education and urban development
THINGS THEY DO: review and update recommendations on New Directions for America's Energy, emphasis on energy conservation; nuclear energy and national security; energy independence
SERVICES: publications, answers to requests about CED's work
PUBLICATIONS: "Nuclear Energy and National Security" ($2.50), "Achieving Energy Independence"($2), "Key Elements of a National Energy Strategy" ($1)

COMMUNITY ENERGY NETWORK *

122 Anabel Taylor Hall
Ithaca, New York 14853
(607) 256-6486

CONTACT: Gary Klein, Coordinator
Laura Masin, Coordinator
Alan Wyatt, Coordinator
ORGANIZATION SIZE: five and expanding
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to serve as an energy information and services network for the local community
AREAS OF INTEREST: conservation, solar, wood, antinuclear, hydroelectric, wind
THINGS THEY DO: home installations, public workshops, public fair demonstrations
SERVICES: workshops, demonstrations, speakers, literature, research, design of renewable energy systems for the home, library, referrals, networking
PUBLICATIONS: "Living Lightly on the Land", design of Blueberry Hill- the energy self-sufficient school, "Rural Domestic Self-sufficiency"

CONSUMER ACTION NOW

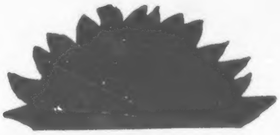
355 Lexington Avenue--16th floor
New York, New York 10016
(212) 682-8915

CONTACT: Irmgard Hunt, Executive Director
ORGANIZATION SIZE: ten staff
TYPE OF ORGANIZATION: education group
PURPOSE & GOALS: to accelerate the use of solar energy and energy conservation through education/research
AREAS OF INTEREST: solar energy, alternative energy, energy conservation
THINGS THEY DO: coordinate a metropolitan network of environmental groups, neighborhood associations, and solar advocates; run educational projects in NYC on solar; participate in energy planning for New York State; prepare educational materials; coordinated energy project in Stamford, CT; were 1978 NY Sun Day coordinators
SERVICES: information, library, speakers, slide show
PUBLICATIONS: bibliography of energy groups and energy information; slide shows; film; "Women: Tapping a New Resource for Energy"; CAN Report (quarterly newsletter); send for resource list

CUSTOM SOLAR HEATING SYSTEMS

P. O. Box 375
Albany, New York 12201
(518) 438-7358

CONTACT: Donald Porter
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture complete hot air solar heating system
AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: designing, research and development plus installations(in upstate New York)
PUBLICATIONS: all technical information regarding their patented system is $3.50(plus SASE); "Solar Heat in Layman's Language"($6.95) is available for education and exposure of the novice to solar energy



ecology and environment, inc.

195 SUGG ROAD, P.O. BOX D, BUFFALO, NEW YORK 14225, TEL. 716-632-4491

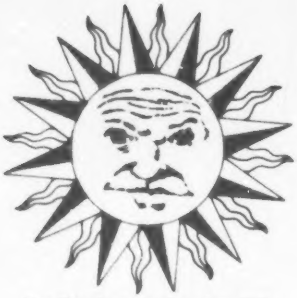
CONTACT: John Gartner, Director of Marketing
ORGANIZATION SIZE: 150
TYPE OF ORGANIZATION: consulting firm
PURPOSE & GOALS: to provide environmental consulting services in energy and related fields for government and industry
AREAS OF INTEREST: fossil fuels, alternative fuels including gasohol, nuclear fuels, methane, conservation, wind energy
THINGS THEY DO: environmental impact assessments for energy generation plants of all types and pipelines, hazards and risks analyses, oil and hazardous materials spills prevention and control, hazardous waste management
SERVICES: technical studies and consulting, laboratory services; field monitoring

ECOSOL LTD.

ECOSOL LTD.

1710 The Plaza
2 West 59th Street
New York, New York 10019
(212) 688-3434

CONTACT: Bruce Rodin
ORGANIZATION SIZE: nine
TYPE OF ORGANIZATION: manufacturer, solar system design consultant
PURPOSE & GOALS: design, develop and manufacture and sell solar(active) system devices to reduce dependence on non-renewable resources
AREAS OF INTEREST: active dispersed solar, data monitoring and analysis
THINGS THEY DO: manufacture Ecosol 101 Energy Recovery System for use with collectors and/or off-peak electricity; manufacture Ecosol 501 Data Acquisition System for monitoring active solar energy systems; install these systems
SERVICES: consulting(fees vary with scope of project)
PUBLICATIONS: see Solar Heating & Cooling Magazine, Feb. 1979 pp. 16-19



Credit-Tom Mucha for HUD

ENERGY TASK FORCE, INC.

156 Fifth Avenue
New York, New York 10010
(212) 675-1920

CONTACT: Outreach Coordinator
ORGANIZATION SIZE: 32
TYPE OF ORGANIZATION: technical assistance, nonprofit
PURPOSE & GOALS: to assist grassroots organizations in New York City's low-income communities in becoming more self-reliant and economically solvent by providing energy-related designs, construction supervision and education for the use of appropriate technology designs which conserve energy or tap renewable resources, are labor-intensive, simple, cost-effective, which can be used as demonstrations, and break energy dependence on energy monopolies, encouraging decentralization
AREAS OF INTEREST: solar, conservation, minority economic development

ENERGY TASK FORCE

THINGS THEY DO: energy conservation and alternative energy designs, energy auditing, energy education and job training programs, community outreach
SERVICES: energy designs for urban homesteaders, energy auditing, solar installation training, speakers, installation of solar and conservation technologies
PUBLICATIONS: "No Heat, No Rent: An Urban Solar and Energy Conservation Manual", "Windmill Power for City People"(English only), "How to Stay Warm this Winter"(English and Spanish)

ENVIRONMENT AND ENERGY RESOURCE CENTER OF WESTERN NEW YORK

Science and Engineering Library
Capen Hall
Amherst, New York 14260
(716) 636-2946/2947

CONTACT: Marja Hart, Director
ORGANIZATION SIZE: one
annual budget-$10,000
TYPE OF ORGANIZATION: community life
PURPOSE & GOALS: to provide a resource for all those interested in improving our environment
AREAS OF INTEREST: solar, toxic materials, wind, solid wastes, geothermal, hydroelectric
THINGS THEY DO: provide information on some 700 topics; run a tree planting fund
SERVICES: speakers bureau, library
PUBLICATIONS: newsletter

ENVIRONMENT INFORMATION CENTER, INC.

292 Madison Avenue
New York, New York 10017
(212) 949-9494

CONTACT: Robert D. Howells, Vice-President, Sales
Karen Ziegler, Director, Market Communications
ORGANIZATION SIZE: 55
TYPE OF ORGANIZATION: publishing company
PURPOSE & GOALS: reference publishing firm specializing in fields of environment and energy; to foster better communication and information dissemination among organizations concerned with these areas
AREAS OF INTEREST: all areas
THINGS THEY DO: have information retrieval system, publish regular updates on industrial and government activities, including a solar directory
SERVICES: consulting, workshops, exhibits, library, literature, data bank
PUBLICATIONS: abstracts, directories, journals, film reviews, legal handbook

ENVIRONMENTAL ACTION COALITION

156 Fifth Avenue
New York, New York 10010
(212) 929-8481

CONTACT: Nancy A. Wolf, Executive Director
ORGANIZATION SIZE: six staff members
TYPE OF ORGANIZATION: citizen action group
PURPOSE & GOALS: to identify specific environmental problems that affect New York City and other urban areas across the country, and to encourage the development of positive solutions to these problems
AREAS OF INTEREST: environmental protection, energy conservation, solid waste, environmental education
THINGS THEY DO: develops educational materials for use in schools, conducts teacher workshops, coordinates recycling centers in New York City; clearinghouse for solid waste information
SERVICES: library, educational materials, newsletter, films, consulting services in recycling/solid waste
PUBLICATIONS: Eco-News, children's newsletter, Cycle, membership newsletter(4 per year), Waste Paper, centerfold for Cycle

GEO-ENERGY LTD.

299 Park Avenue, Suite 2555
New York, New York 10017
(212) 689-0567

CONTACT: Alfred Greenberg, P.E., Director of Engineering
Thomas C. Orr, Director of Marketing
ORGANIZATION SIZE: twelve
TYPE OF ORGANIZATION: energy consultants
PURPOSE & GOALS: to survey and audit existing buildings, communities, and processes to establish how energy is used; to develop energy master plans to achieve conservation and audit results periodically to assure continuity and control
AREAS OF INTEREST: conservation and energy management and operation in buildings
THINGS THEY HAVE DONE: computerized analysis of General Motors, Saks Fifth Ave. and Woolworth Buildings in New York City; developed simulations of energy use and devised energy master plans to conserve on 300-bed hospital
SERVICES: speakers, literature, technical studies, consulting($500-$600/day/man)
PUBLICATIONS: articles

INFORM

25 BROAD STREET
NEW YORK CITY 10004
(212) 425-3550

CONTACT: Research Director
ORGANIZATION SIZE: twenty
annual budget-$410,000
TYPE OF ORGANIZATION: nonprofit research and education
PURPOSE & GOALS: to study the impact of U.S. corporations on the environment, employees and consumers
AREAS OF INTEREST: development of alternate energy technologies, land use, occupational safety and health
THINGS THEY DO: studies and reports on land development, fluidized bed combustion, coal cleaning, flue gas desulfurization, storage technologies for renewable energy sources, surface mine reclamation, occupational safety and health in the non-ferrous metal industry; business involvement in building and neighborhood preservation
SERVICES: consulting, workshops, speakers, networking, publication and event planning
PUBLICATIONS: in-depth studies, short reports, newsletter, feature articles, handbooks

LABOR ACTION COALITION *

P. O. Box 732
Ithaca, New York 14850
(607) 277-3505

CONTACT: Jinx Dowd, Information Bureau
Casimir Walas, Executive Board
(257 Elmwood Avenue, Buffalo, NY 14222)
ORGANIZATION SIZE: two staff members
TYPE OF ORGANIZATION: citizen action group, labor union movement
PURPOSE & GOALS: to fight private utility monopolies; goal is to have a democratic takeover of the electric and gas monopolies in New York State
AREAS OF INTEREST: utilities, hydroelectric, legal aspects of energy
THINGS THEY DO: sponsor educational conferences and workshops for local union memberships; examine energy crisis through work with environmental activists
PUBLICATIONS: (from UCRI-Upstate Community Resource Institute): "Time to Choose", a forty-page guide to municipal power take-overs($3); Organizers Notebook $15)

RICHARD LAROSA *

317 Oak Street
South Hempstead, New York 11550
(516) 486-7827

CONTACT: same
ORGANIZATION SIZE: annual budget-$100
TYPE OF ORGANIZATION: private citizen
PURPOSE & GOALS: to teach, lead and innovate in conservation and solar energy field
AREAS OF INTEREST: conservation, solar energy
THINGS THEY DO: some publishing and writing; teaches at Polytechnic Institute of New York; arranges and publicizes programs on solar and conservation; has solar collectors in his back yard; is experimenting with seasonal storage of heat in the ground
SERVICES: will do consulting and provide information to anyone as his time permits as well as lecturing and holding seminars or workshops

MARATHON HEATER CO., INC.

16 Crawford Street
Cortland, New York 13045
(607) 756-8246

the Logwood

CONTACT: T.H.Parker
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture hot air and hot water residential equipment
AREAS OF INTEREST: energy from wood, coal, oil
THINGS HE DOES: manufactures and distributes LOGWOOD wood burning furnace
SERVICES: informal consulting and informational requests from the public answered

MID-HUDSON NUCLEAR OPPONENTS, INC.

P. O. Box 666
New Paltz, New York 12561
(914) 658-9311

CONTACT: Dr. Peter D.G.Brown, Chairman
ORGANIZATION SIZE: one staff, 2000 members
annual budget-$15,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to preserve the Hudson Valley from nuclear development; to encourage conservation and alternative technologies
AREAS OF INTEREST: anti-nuclear, utilities, alternative energies
THINGS THEY DO: intervenors in licensing hearing for PASNY's proposed Greene County Nuclear Powerplant; five lawsuits initiated in 1978 to contest Con-Edison's Mid-Hudson siting program for 5,200MW (4 nuclear or 6 coal plants); participation in Central Hudson Gas & Electric's rate case and other hearings before the N.Y.S. Public Service Commission
SERVICES: speakers, films: "How Safe are America's Atomic Reactors?"---both free
PUBLICATIONS: "Nuclear Power in the Hudson Valley", 4 pages, free

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

Rockefeller Plaza
Albany, New York 12223
(518) 465-6251

CONTACT: Charles D. McKinney, Director of Technology Transfer
ORGANIZATION SIZE: fifty
annual budget-$9.5 million
TYPE OF ORGANIZATION: state authority
PURPOSE & GOALS: to accelerate the introduction of alternative energy sources and energy-efficient technologies and to improve environmental acceptability of existing fuels and energy processes
AREAS OF INTEREST: fossil fuels, solar, wind, hydropower, biomass, geothermal, solid wastes, advanced energy systems, energy conservation, energy systems assessment
THINGS THEY DO: manage over 100 research and development projects; own and operate the Saratoga Research and Development Center, an energy research park
SERVICES: research and demonstration projects, workshops and exhibits, technical studies, report dissemination
PUBLICATIONS: All technical project reports available through the National Technical Information Service, Springfield, VA

ROCHESTER SAFE ENERGY ALLIANCE

c/o Peace and Justice Education Center
713 Monroe Avenue
Rochester, New York 14607
(716) 244-7191

CONTACT: Ray Stiefel
ORGANIZATION SIZE: two
annual budget-$500
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to help curtail all nuclear energy and weapons production and use; intervention in plant licensing proceedings; educational outreach, promotion of ecological lifestyles, constructive community intraaction and regional self-sufficiency
AREAS OF INTEREST: wind, wood, solid wastes, passive solar
THINGS THEY DO: leafletting, endorse local anti-nuke election candidates, sponsor speakers, musicians, workshops; developing a community energy resource center; have space for classes, workshops and a library
SERVICES: above, letter-writing campaigns, exhibits, library materials
PUBLICATIONS: none yet

SOLAR STRUCTURES, INC.

221 Mill Street
Poughkeepsie, New York 12601
(914) 471-7280

CONTACT: Harry Wenning, AIA
ORGANIZATION SIZE: varies(eight+)
annual budget-varies
TYPE OF ORGANIZATION: developers, builders, designers, and consultants
PURPOSE & GOALS: construction and/or rehabilitation of structures to achieve energy efficiency and/or integration of active or passive solar energy or other energy alternatives
AREAS OF INTEREST: passive solar, wind, photovoltaics
THINGS THEY DO: design, distribute and install solar heating systems; working on other installations using domestic hot water and solar space heating using evacuated tube and flat plate collectors
SERVICES: demonstration projects, speakers, planning, consulting(usually 10% of job)

SUNRAY SOLAR HEAT, INC. *

202 Classon Avenue
Brooklyn, New York 11205
(212) 857-0193 or 638-6540

CONTACT: Alexander Wasser, Senior Manufacturing Engineer
TYPE OF ORGANIZATION: manufacturer/distributor
PURPOSE & GOALS: to manufacture and sell solar heaters as an alternative to other sources of energy
AREAS OF INTEREST: solar
THINGS THEY DO: manufacture, sell and install solar collectors for heating; plan to work on more efficient solar heaters; have developed a "Freeze fail safe" system
SERVICES: demonstration projects, exhibits; kit for do-it-yourselfers

SYRACUSE UNIVERSITY INSTITUTE FOR ENERGY RESEARCH *

Syracuse University--203 Link Hall
Syracuse, New York 13210
(315) 423-2277

CONTACT: Dr. Volker Weiss, Director
ORGANIZATION SIZE: 2 administration, 40 faculty
annual budget-$40,000 & research
TYPE OF ORGANIZATION: university
PURPOSE & GOALS: to promote energy research and education and to carry out research programs in energy
AREAS OF INTEREST: conservation, solar, photovoltaics, solid wastes, wind, hydrogen
THINGS THEY DO: various research projects
SERVICES: demonstration projects, technical studies, consulting, lectures(write for fees and information)

WENNING ASSOCIATES

Architects, Engineers, Consultants
221 Mill Street
Poughkeepsie, New York 12601
(914) 471-7280

CONTACT: Harry Wenning, Architect, AIA
ORGANIZATION SIZE: eight+
TYPE OF ORGANIZATION: architects, engineers, consultants
PURPOSE & GOALS: the aesthetic integration of energy consciousness in the design and construction of buildings
AREAS OF INTEREST: solar, wind. photovoltaics,passive solar
THINGS THEY DO: designed and built under HUD grant a home with 75% heat and 90% hot water from solar components plan more housing with solar, a warehouse, industrial installations, pool and domestic solar heaters using both flat plate collectors and evacuated tube collectors
SERVICES: demonstration projects, consulting, planning, speakers(all on a fee basis)

North Carolina

CAROLINA ACTION *

305 East Chapel Hill Street
(P. O. Box 1985)
Durham, North Carolina 27702
(919) 682-6076

CONTACT: Jay Hessey, Staff Director
ORGANIZATION SIZE: full-time staff in four major North Carolina cities
TYPE OF ORGANIZATION: membership based network of neighborhood groups
PURPOSE & GOALS: to organize middle and lower income black and white families to have more control over neighborhood, city-wide and state-wide concerns

AREAS OF INTEREST: neighborhood improvements, utility rate reforms, community development, economic interests of municipal candidates
THINGS THEY DO: organize for issues campaigns, legislative campaigns, build network of neighborhoods
SERVICES: organizer training and leadership training, workshops, research
PUBLICATIONS: ActionPower, monthly newsletter($15/yr.)

CAROLINIANS for SAFE ENERGY

P.O. Box 8165
Asheville, N.C. 28814
(704) 645-7330

CONTACT: Dr. or Mrs. Edgar Lyngholm
ORGANIZATION SIZE: no paid staff
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to stop CP & L's proposed nuclear plant at Sandy Mush, to work for a universal nulcear moratorium, to educate the public about nuclear problems
AREAS OF INTEREST: all safe energy forms
THINGS THEY DO: leafletting, Sun Day, balloon release, workshops, solar energy seminars
SERVICES: speakers, slide show, folders
PUBLICATIONS: publishes monthly newsletter(6 pages)
$5--regular membership; $1--association membership

CARY SOLAR *

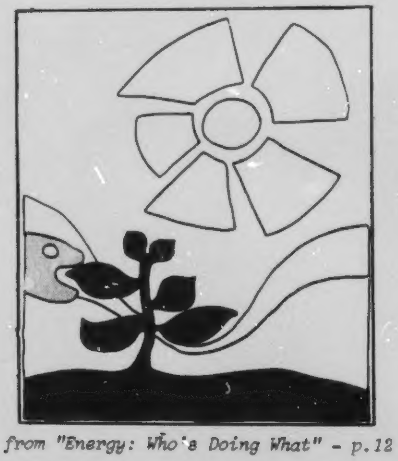
200 Hillsboro
Cary, North Carolina 27511
(919) 467-2852

CONTACT: John Dilday
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: installer of solar equipment
PURPOSE & GOALS: to install solar and energy conservation equipment
AREAS OF INTEREST: energy conservation
SERVICES: contract installations for negotiable fee

ENERGETICS-Energy Conscious Design

411 North Boylan Avenue
Raleigh, North Carolina 27603
(919) 834-9178

CONTACT: Bruce Johnson, Owner, Architect AIA
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: architectural firm
PURPOSE & GOALS: to work on energy conserving designs of residential and small scale commercial projects
AREAS OF INTEREST: passive solar, conservation, high-temperature solar for residential use
THINGS THEY DO: energy efficient custom design work, both residential and light commercial; additions and renovations
SERVICES: design services for remodeling and new design($20/hr.)



from "Energy: Who's Doing What" - p.12

INDEPENDENT ENERGY SYSTEMS, INC.

P. O. Box 1398
Boone, North Carolina 28607
(704) 963-5491

CONTACT: John Boll, President
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: distributor, builder
PURPOSE & GOALS: to design and construct energy-conserving buildings and to manufacture and install alternative energy devices
AREAS OF INTEREST: conservation, wood, solar, hydroelectric
THINGS THEY DO: custom-designed and built several energy conserving buildings; additions with solar hot water and heat; greenhouse construction; install solar hot water; plan a commmercial greenhouse using energy conservation; design and build passive solar homes
SERVICES: demonstration projects, consulting informally and professionally; design and construction

INTEGRATED ENERGY SYSTEMS

301 North Columbia Street
Chapel Hill, North Carolina 27514
(919) 942-2007

CONTACT: Daniel Koenigshofer, PE, Energy Engineer
Larry Walters, Architect
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: architectural/engineering/consulting firm
PURPOSE & GOALS: to help reduce consumption of all energy and to promote a shift toward renewable and non-polluting resources
AREAS OF INTEREST: conservation, solar, methane, wood, energy policy
THINGS THEY DO: engineering studies, energy studies; architectural design, designed numerous solar buildings; slide show on solar energy installations; working on large methane generation plant using chicken manure
SERVICES: consulting($25-50/hr.), economic studies, planning, speakers, demonstration projects, workshops, technical studies
PUBLICATIONS: "Energy: Saving Money"(30¢), "Passive Solar Design"(40¢), "Integrating Solar and Off-Peak Energy Usage"(40¢); send SASE for listing

THE LITER KNOT * THE LITER KNOT Incorporated

P. O. Box 1881
Hickory, North Carolina 28601
(704) 256-2193

CONTACT: Charles H. Poteet, President
ORGANIZATION SIZE: 34
TYPE OF ORGANIZATION: distributor
PURPOSE & GOALS: sales of efficient wood stoves, fuel chimney and accessories
AREAS OF INTEREST: wood, conservation
SERVICES: literature, technical studies, consulting, speaking
PUBLICATIONS: catalog($1), preprinted materials on wood stoves

Lorien House

P. O. Box 1112
Black Mountain NC
28711
137 Cherry Street
(704) 669-9992

CONTACT: David A. Wilson, Owner
William H. Rankins, Engineer
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: publisher/solar store
PURPOSE & GOALS: to publish materials in complete details to aid the individual in developing independent solar systems
AREAS OF INTEREST: solar, photovoltaics for personal use
THINGS THEY DO: publish books on solar power and energy-related fields
SERVICES: literature, informational requests, consulting
PUBLICATIONS: Solar Energy Notebook($4), Practical Sun Power($4), Creating Energy ($5), Solar Catalog

THE MOTHER EARTH NEWS

P. O. Box 70
Hendersonville, North Carolina 28791
(704) 693-0211

CONTACT: Reader Service
ORGANIZATION SIZE: approximately 100
TYPE OF ORGANIZATION: magazine
PURPOSE & GOALS: "helping the planet by helping people live better using less"
AREAS OF INTEREST: alternative energy, self-sufficiency solar, wind, wood, photovoltaics
THINGS THEY DO: research, publishing, seminars, radio program
SERVICES: information, literature, research
PUBLICATIONS: The Mother Earth News, bimonthly magazine($15/yr.), books, brochures

NORTH CAROLINA PUBLIC INTEREST RESEARCH GROUP

P. O. Box 2901
Durham, North Carolina 27705
(919) 286-2275

CONTACT: Marilyn Butler, Co-Director
Elisa Wolper, Co-Director
Art Donsky, Co-Director
ORGANIZATION SIZE: three
TYPE OF ORGANIZATION: student action group
PURPOSE & GOALS: to seek solutions to consumer and environmental problems through research and advocacy
AREAS OF INTEREST: transportation of nuclear cargo; tenant's rights; energy conservation; brown lung disease
THINGS THEY DO: research and advocacy, lobbying, publishing
SERVICES: speakers, consumer referrals, conferences, library, media contacts
PUBLICATIONS: various research reports

SOLAR PLEXUS

Warne, North Carolina 28909
or
Box 988
Laurinberg, North Carolina 28352

CONTACT: Robert Boone
ORGANIZATION SIZE: varies 1-6
annual budget-$30,000
TYPE OF ORGANIZATION: individual, contractor
PURPOSE & GOALS: construction of attached solar greenhouses, design and construction of site-built passive and active water and air solar heating & cooling components
AREAS OF INTEREST: passive solar, active dispersed solar, wind
THINGS THEY DO: solar greenhouse in Warne, N.C., solar house(hybrid system) in Shooting Creek, N.C., attached solar greenhouses in Laurinberg, N.C., southeastern correspondent for Solar Greenhouse Digest(Kingman, Arizona), presently working with nonprofit community services agency in Laurinberg supervising construction of solar greenhouses for low-income elderly persons
SERVICES: design consultation-hybrid active-passive solar(fee:5% of material cost), thermophon solar water heater workshop
PUBLICATIONS: articles, plans for solar greenhouse, plans for solar food dryer($5)

W.A.M.Y. COMMUNITY ACTION, INC.

P. O. Box 552
Boone, North Carolina 28607
(704) 264-2421

CONTACT: Andy Simpson, Energy Coordinator
ORGANIZATION SIZE: 85
annual budget-$2.5 million
TYPE OF ORGANIZATION: private, nonprofit community action agency(federally funded)
PURPOSE & GOALS: to mobilize efforts and resources to assist the poor so that they may become more self-sufficient
AREAS OF INTEREST: solar, wood, conservation
THINGS THEY DO: planning solar greenhouses to provide space heating and vegetables; planning more work on solar active air collectors, water heaters, greenhouses; weatherization program
SERVICES: demonstration projects, workshops, exhibits, consulting, referrals, planning, weatherization, emergency fuel deliveries

North Dakota

ENGINEERS-ARCHITECTS, PROFESSIONAL CORPORATION

P. O. Box 2081
Minot, North Dakota 58701
(701) 838-3905

CONTACT:: Gordon L. Rosby, Architect
ORGANIZATION SIZE: 56 full-time

TYPE OF ORGANIZATION: architects and engineers
PURPOSE & GOALS: to offer full design services in architectural, mechanical, electrical and structural engineering disciplines
AREAS OF INTEREST: wind, wood, passive and active dispersed solar
THINGS THEY DO: solar residence under construction-active air system with almost 700 sq.ft. of collector and specially designed prototype controller (electronic); other residential solar(active and passive) will be forthcoming soon
SERVICES: architectural, consulting and engineering

Ohio

ALLIED AIR PRODUCTS/UNITED AIR SPECIALISTS

6221 Creek Road
Cincinnati, Ohio 45242
(513) 891-0400

TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to produce energy recovery equipment for both commercial and industrial application; air-to-air and air-to-water heat exchangers which save 70% of wasted energy normally exhausted to the atmosphere
SERVICES: speakers available to groups of 100+

Wing School of Shelter Technology
Brunswick, ME

COLUMBUS SOLAR SOCIETY

Box 333
Dublin, Ohio 43017
(614) 267-8598

CONTACT: Joe Kawecki
ORGANIZATION SIZE: twenty
annual budget-$400-500
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to provide information on solar energy/conservation both for technical and lay persons
AREAS OF INTEREST: wind, wood, passive and active solar, photovoltaics
THINGS THEY DO: initiated 1st and 2nd solar energy conferences at Ohio State University-more than 500 persons attended both conferences; publish monthly newsletter; sponsor monthly meetings and occasional tours; conduct conferences
SERVICES: speakers, demonstration projects and workshops

NATURAL P.O.W.W.E.R. *

6031 St. Clair Avenue
Cleveland, Ohio 44103
(216) 361-3156

Natural P.O.W.W.E.R.

CONTACT: Irwin Friedman, Chairman
Arnold Gleisser, Vice-Chairman
Karl Keyerleber, Vice-Chairman
ORGANIZATION SIZE: 100
TYPE OF ORGANIZATION: national action group
PURPOSE & GOALS: to advocate the immediate implementation of alternate sources of energy and phasing out of present toxic fuels
AREAS OF INTEREST: wind, hydrogen, fuel cells,solar, photovoltaics, ocean thermal
THINGS THEY DO: work for utility reform in Ohio; work for safe nuclear power, wind power projects, plan development of 25kw wind generator; investigation of air-supported, double plastic wall, solar greenhouse
SERVICES: demonstration projects, speakers, networking, lobbying, workshops, information exchange, speakers bureau, membership($10/year)
PUBLICATIONS: P.O.W.W.E.R.News; "The Nuclear Alternative"(Karl Keyerleber, $4ppd.)

OHIO VALLEY CITIZENS CONCERNED ABOUT NUCLEAR POLLUTION *

Box 1
Moscow, Ohio 45153
(513) 961-4795

CONTACT: Polly Brokaw
ORGANIZATION SIZE: members, no staff
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to become informed and inform others about the dangers of nuclear power
AREAS OF INTEREST: nuclear power, solar, wind
THINGS THEY DO: mailing list, hold public meetings, "Creative Alternatives Conferences"
SERVICES: meetings, workshops, speakers, leafletting

OHIOANS FOR UTILITY REFORM(OUR)

P. O. Box 10006
Columbus, Ohio 43201

CONTACT: Mike Ferner, Coordinator
Steve Molk
ORGANIZATION SIZE: all volunteer
annual budget-$5,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to work for basic utility services which are a necessity and a right, to encourage the development of safe, economical and environmentally sound forms of energy, to encourage the conservation of our finite non-renewable fuel supplies, to oppose the further development of nuclear power until problems such as waste storage, safety and adequate insurance are resolved, to encourage democratic decisions with consumer representation by utilities
AREAS OF INTEREST: coal, passive and active dispersed solar, utilities, oil/natural gas, anti-nuclear
THINGS THEY DO: lobby in the state legislature for sound energy policies, organize around unneeded utility rate increases before the state utility commission, work in local communities to pass ordinances regulating the transportation of nuclear materials. helped form a statewide solar coalition
SERVICES: speakers on dangers and economic cost of nuclear power and nuclear waste, on utility reform issues(rate structure, shut-offs and fuel adjustment clauses)
PUBLICATIONS: newsletter for members(six/year)

OLYMPIC SOLAR PLATING CORP.

208-15th Street
Canton, Ohio 44707
(216) 452-8856

CONTACT: John C. Kiminas, President
Richard G. Brady, Vice-President, Sales
ORGANIZATION SIZE: 27
TYPE OF ORGANIZATION: electroplater
PURPOSE & GOALS: producing black chrome selective coating of solar energy collectors
AREAS OF INTEREST: all solar for alternative lifestyle uses
THINGS THEY DO: have conducted major solar demonstrations(Langley AFB, Sandia, San Jose State College); attention focused in federal area
SERVICES: projects, planning, technical studies, professional consulting only

SOLAR I

Stellar Industries, Inc.
7265 Commerce Drive
Mentor, Ohio 44060
(216) 951-6363

CONTACT: same
TYPE OF ORGANIZATION: manufacturer, retailer
PURPOSE & GOALS: to provide practical and complete solar heating systems for residential, commercial and industrial process applications
AREAS OF INTEREST: active dispersed solar
THINGS THEY DO: supplied active solar systems for a 34 single family residential development
SERVICES: selling, manufacturing

SOLAR ENERGY COMMUNAL *

988 Hempstead Drive
Cincinnati, Ohio 45231
(513) 521-9827

CONTACT: Glen Schuff, Engineer
ORGANIZATION SIZE: two staff members
annual budget-$5,000
PURPOSE & GOALS: conservation of ecologistics, activation of solar systems concentrating on solar cells, heat pumps
AREAS OF INTEREST: fuel cells(research to develop these), high-temperature, other solar, bioconversion, hydroelectric: all for generation of power
THINGS THEY DO: collect, design, and disseminate functional panel cells, photovoltaic silicon and heat pump drawings and applications(at low overhead); planning a community solar organization
SERVICES: systemizing, literature, workshops, consulting, studies---all on informal basis(at cost)
PUBLICATIONS: designs and brochures at cost

SOLAR HEAT CORPORATION *

389 East 271st Street
Euclid, Ohio 44132
(no phone)

CONTACT: Clarence Damberger, Vice-President
ORGANIZATION SIZE: six staff members
TYPE OF ORGANIZATION: manufacturer
AREAS OF INTEREST: solar collectors
THINGS THEY DO: manufacture solar collectors
SERVICES: speakers, workshops, demonstration projects, consultation

SOLAR USAGE NOW

Box 306
Bascom, Ohio 44809
(419) 937-2226

CONTACT: Joseph Deahl
ORGANIZATION SIZE: seven
annual budget-$150,000
TYPE OF ORGANIZATION: manufacturer, retailer
PURPOSE & GOALS: to distribute solar equipment
AREAS OF INTEREST: all aspects of solar energy
THINGS THEY DO: exhibit equipment; adding local SUN dealers; research
SERVICES: films, slides, provide free speakers at meetings, provide exhibits of hardware anywhere, lectures
PUBLICATIONS: SUN Catalog($5) 355 pages, latest edition of equipment, books, hardware for solar and other alternative energies

SUNFLOWER FARM (an intentional community)

Rt. 1, Box 90
Amesville, OH 45711
(614) 448-3078

CONTACT: Bruce Sabel, Founder
ORGANIZATION SIZE: six families
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to develop simpler, more satisfying lifestyles
AREAS OF INTEREST: solar, wind, wood
THINGS THEY DO: building homes using solar systems, wood heat, planning wind energy; planning skills center where they can teach alternate energy and self-reliance; research closed system greenhouses; seek someone to join them who knows fish farming

SUNPOWER, INC. *

48 West Union Street
Athens, Ohio 45701
(614) 593-8878

CONTACT: William Beale
ORGANIZATION SIZE: 20 engineers and technicians
TYPE OF ORGANIZATION: research and design
PURPOSE & GOALS: development of freepiston Stirling engines
AREAS OF INTEREST: solar, alternative energy, using Stirling engines
THINGS THEY DO: developed gas-fired heat pump using freepiston Stirling engine; development of an electric generator driven by engine which can be run on a wood stove or any other high-temperature heat source; have built a buried passive solar house
SERVICES: research and development, special designs for energy conserving devices
PUBLICATIONS: technical articles in proceedings of Intersociety Energy Conversion Engineering Conference

Oklahoma

COATING LABORATORIES, INC.

3133 East Admiral Place
Tulsa, Oklahoma 74110
(918) 932-5991

CONTACT: Edward B. Kaplan, President
Martin D. Goldman, Executive Vice Pres.
ORGANIZATION SIZE: ten
annual budget-$500,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture a solar reflective coating that will reflect 93% of the sun's high heat producing rays and provide the user with a "passive air conditioning system"-product is maintenance free, will last up to ten years and has no cost of operation
AREAS OF INTEREST: passive solar
THINGS THEY DO: research and development in the field of passive solar air-conditioning-for industrial, commercial and residential use
SERVICES: have network of distributors for their product; turnkey installations are available in a selected area; exhibit available; Mr. Kaplan is available as a speaker; annual workshops for distributors; "Sunlight Simulation Lab" available for demonstration of product's performance

Oregon

DONALD A. BAIN

458 21st St. NE
Salem, Oregon 97301
(503) 371-6837(home)
(503) 378-6715 (work)

ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: individual
PURPOSE & GOALS: to be active in the field of wind energy research; to study wind turbine generators used in agricultural, residential and utility implementation scenarios
AREAS OF INTEREST: wind, utilities, economic, market, applications analysis(in wind)
THINGS HE DOES: has DOE-AT grant to research the potential market for small wind systems in residential use in California and the manufacturing labor impact; worked on ERDA's Wind Energy Mission Analysis at Lockheed; wind study for CA Energy Commission; application of life-cycle costing, performance modeling, economics, market and application analysis, and finance

CASCADIAN REGIONAL LIBRARY(CAREL)

1 West Fifth Ave.
Box 1492
Eugene, Oregon 97440
(503) 484-0366

CONTACT: Brian Livingston
ORGANIZATION SIZE: includes automatically all nonprofit community action organizations in the Pacific Northwest, as well as all public libraries and book publishers; currently about 4500 members
TYPE OF ORGANIZATION: information network for Pacific Northwest region
PURPOSE & GOALS: to collect and disseminate information; to bring people together to change their perception of themselves
AREAS OF INTEREST: CAREL acts as an information network for 20 categories-arts, crafts, communications, communities, economics, education, energy, environment, ethnic cultures, food, health, human services, information networks, land/shelter, politics/law, recreation/events, science, spirit, transportation and women's and men's liberation
THINGS THEY DO: publish CASCADE: Journal of the Northwest; sponsor regional conferences; Equinox Conference is an annual spring event for all nonprofit groups and small businesses in the Northwest
SERVICES: information networking, conference organizing
PUBLICATIONS: CASCADE ($12/12 issues, bimonthly)

CENTER FOR ENVIRONMENTAL ACTION

P. O. Box 188
Cottage Grove, Oregon 97424
(503) 942-7604

CONTACT: Doug Still
ORGANIZATION SIZE: four
annual budget-$60,000
TYPE OF ORGANIZATION: church-sponsored environmental group
PURPOSE & GOALS: to work with citizen groups across the state to encourage conservation of scarce resources, effective husbandry of natural resources and just distribution to all people of all resources
AREAS OF INTEREST: all alternatives to non-renewable energy sources, anti-nuke
THINGS THEY DO: sponsor of Sun Day, organize legislative impact, mobilize citizens for self-help and appropriate technology, get church people involved, cooperate with environmental groups for joint projects
SERVICES: speakers, consulting, workshops, exhibits, demonstration projects

CERRO GORDO COMMUNITY

Cerro Gordo

Dorena Lake
P. O. Box 569
Cottage Grove, Oregon 97424
(503) 942-7235

CONTACT: Christopher Canfield
ORGANIZATION SIZE: 100+ members
TYPE OF ORGANIZATION: cooperative community
PURPOSE & GOALS: construction of an ecosystemic self-supporting community of 2500 people on 1200 acres near Eugene, Oregon
AREAS OF INTEREST: appropriate technology, housing
THINGS THEY DO: plan and build Cerro Gordo cooperatively
SERVICES: books on concepts, history, plans, consulting
PUBLICATIONS: Cerro Gordo News, monthly magazine on community progress, Town Forum, quarterly newsletter describing this and other experiments; free brochures

THE DEPOT FOR REUSABLE BUILDING MATERIALS

721 S.E.Grand Avenue
Portland, Oregon 97214
(503) 231-7430

DEPOT

CONTACT: Mark Clemons, Project Manager
ORGANIZATION SIZE: six staff
annual budget-$95,000
TYPE OF ORGANIZATION: service agency
PURPOSE & GOALS: recovery of used materials and excess building materials and distribution for low and moderate income homeowners and nonprofit groups
AREAS OF INTEREST: conservation of building materials
THINGS THEY DO: recovery of materials from remodeling, demolition, and redistribution of these
SERVICES: collection, warehousing, hand dismantling, distribution

DAVID DEPPEN, ARCHITECT *

Box 3945
Portland, Oregon 97208
(503) 222-2520

(Dekum Building, 519 SW Third)
CONTACT: David Deppen
ORGANIZATION SIZE: varies with project
TYPE OF ORGANIZATION: architect
PURPOSE & GOALS: ecologically sound architecture
AREAS OF INTEREST: passive solar, underground architecture, wood energy
THINGS HE DOES: experience on completed projects ranging from large solar-heated institutional buildings to tiny wood-heated structures; special attention given to land and wildlife protection and restoration
SERVICES: full architectural services-design and construction drawings and administration during construction(fees depend on specific project); consulting-for owner-builders who want architectural guidance on their own small, beautiful passive solar homes;-for professional and individuals with specific questions(fees by hourly rate)

FORELAWS ON BOARD

Rt. #1, Box 99A, Oregon County
Alton, Missouri 65606
(417) 778-7410

19142 South Bakers Ferry Road
Boring, Oregon 97009
(503) 637-3549

CONTACT: Lloyd Marbet (Boring), Bob Cobb(Missouri)

ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: activist organization
PURPOSE & GOALS: to seek to ensure recognition and scrutiny of laws devised by society and those natural laws governing conditions on the physical existence of human life

AREAS OF INTEREST: anti-nuclear, alternatives, natural foods, conservation, appropriate living
THINGS THEY DO: intervene in state and federal licensing hearings for nuclear plants; recruit experts on alternative energies to be witnesses in licensing proceedings before regulatory agencies; public education
SERVICES: library, speakers, literature, films
PUBLICATIONS: send for listing

HENRY MATTHEW *

Rt. 3, Box 768
Coos Bay, Oregon 97420
(503) 267-4762

CONTACT: same
TYPE OF ORGANIZATION: private citizen
PURPOSE & GOALS: to develop and spread information on practical applications of solar heating
AREAS OF INTEREST: solar
THINGS HE DOES: has built two solar-heated homes; has carried out various solar experiments; living in 85% solar-heated home
SERVICES: will do consulting(by mail $200/month)

OREGON DEPARTMENT OF ENERGY

Room 102 Labor and Industries Building
Salem, Oregon 97310
(503) 378-4040

CONTACT: Supervisor, Energy Planning, Siting and Monitoring, or Energy Conservation Resource and Development
ORGANIZATION SIZE: 60
annual budget-$3.6 million
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to promote the efficient use of energy resources; to develop permanently sustainable energy resources; collect data on resources; educate the public on energy, research
AREAS OF INTEREST: solar, hydroelectric, wood, nuclear, conservation, fossil fuels, geothermal for resource development, environmental protection and legislative research
SERVICES: demonstration projects, workshops, literature, technical and economic studies, speakers, library, consulting(all free, on as-available basis)
PUBLICATIONS: fact sheets, annual and biennium reports on energy resources, forecast reports

OREGON STUDENT PUBLIC INTEREST RESEARCH GROUP(OSPIRG) *

918 S.W.Yamhill
The Pythian Building, Second Floor
Portland, Oregon 97205
(502) 222-9641

CONTACT: Mary Vitums, Office Manager
ORGANIZATION SIZE: 13 professional staff members
annual budget-$160,000
TYPE OF ORGANIZATION: students and professional in research efforts
PURPOSE & GOALS: to involve students in researching public policy issues concerning consumers, civil rights, environmental problems and to disseminate the results in the form of booklets, reports and testimony
AREAS OF INTEREST: utility regulation, water resources, health care, housing, pollution, wilderness preservation, consumer education
THINGS THEY DO: research, lobbying, litigation, publications
SERVICES: researching issues submitted by citizens, answering informational requests, literature
PUBLICATIONS: books on-drug pricing, conservation, sewage facilities, forest management, health care(send SASE for complete listing)

PORTLAND COMMUNITY DESIGN CENTER *

723 S.E.Grand AVenue
Portland, Oregon 97214
(503) 232-4221

CONTACT: Patricia Roberts, Director
ORGANIZATION SIZE: eleven staff
TYPE OF ORGANIZATION: service agency
PURPOSE & GOALS: to provide low-cost architectural and environmental design assistance to low-income individuals and nonprofit groups in the metropolitan Portland area
AREAS OF INTEREST: renovation, rehabilitation, energy conservation, land use planning
THINGS THEY DO: designs for above; development of needs assessments and feasibility studies; assistance with neighborhood planning
SERVICES: architectural drawings, designs, reference library, consultation and referral

RAIN: JOURNAL OF APPROPRIATE TECHNOLOGY

2270 N.W.Irving
Portland, Oregon 97210
(503) 227-5110

CONTACT: Mark Roseland, Carlotta Colette, John Ferrell
ORGANIZATION SIZE: five staff members
annual budget-$40,000
TYPE OF ORGANIZATION: nonprofit research and communications/networking citizen group
PURPOSE & GOALS: to share with others methods, projects, books and ideas from around the country and abroad that are dedicated to decreasing wastefulness while improving the quality of daily life
AREAS OF INTEREST: appropriate technology, self-reliance
THINGS THEY DO: operate out of an old Victorian house in Portland; publish a variety of literature; consult on energy in Montana, Idaho, Oregon, Washington, California; participated in the formation of the National Center for Appropriate Technology; have built wind and solar homes
SERVICES: information/access/research reports, exhibits, workshops, demonstration projects, technical studies, literature, networking, consulting
PUBLICATIONS: Rain Magazine($15/yr., 10 issues), Rainbook: Resources for Appropriate Technology; Stepping Stones: A.T.and Beyond($7.95 each)

SOLAR ENERGY CENTER *

University of Oregon
Eugene, Oregon 97403
(503) 686-3631, 4751

CONTACT: Professor John Reynolds, Director
Professor David McDaniels
ORGANIZATION SIZE: two full-time, several part-time
annual budget-$60,000(grants)
TYPE OF ORGANIZATION: university group
PURPOSE & GOALS: to provide a regional approach to the utilization of solar energy; development of needed technology and facilitating its application
AREAS OF INTEREST: solar heating, conservation, solar electric
THINGS THEY DO: solar heating studies; solar radiation monitoring; student projects(fitting small building on campus with solar heating); passive-solar heated greenhouse; preparing workbook on passive solar in Pacific Northwest
SERVICES: biweekly seminars open to the public; series of publications, demonstration projects, speakers, lobbying, studies, workshops, information and resource center on solar energy and conservation(student run)
PUBLICATIONS: on solar energy in the Northwest(send for price list, all under $6)

SUN CO./ENERGY & ALTERNATIVES MAGAZINE

P. O. Box 681
Salem, Oregon 97308
(503) 364-5495

CONTACT: Steve Bolton
ORGANIZATION SIZE: three
annual budget-bad to worse
TYPE OF ORGANIZATION: consumer conservation publication
PURPOSE & GOALS: to inform the consumer on rising energy costs-to present reasons and what can be done on local level, to reinforce conservation practices and supply information on all aspects of energy-both conventional and alternative
AREAS OF INTEREST: all energy
THINGS THEY DO: publish magazine
PUBLICATIONS: E&A Magazine($4/yr., quarterly)

TOMPKIN AND ASSOCIATES *

1324 Jordan Drive, South
Salem, Oregon 97302
(503) 364-9579

CONTACT: Joseph Tompkin, Principal
John Brodgen, Associate Engineer
ORGANIZATION SIZE: nine staff members
annual budget-$180,000
TYPE OF ORGANIZATION: consulting engineer and development association
PURPOSE & GOALS: to transcend from research and development into production operations that are predominantly conservation oriented
AREAS OF INTEREST: bioconversion, solar, fuel cells, wood, wind, methanol, glycols
THINGS THEY DO: developing financial centers oriented to new product development; developed new process for producing pulp(no sulfur emission); wind power plant(efficiency-60%); internal rotary combustion engine using hydrogen or other fuels; solid waste disposal; combined wind and solar conversion into electrical energy for farming, cities, and utilities
SERVICES: demonstration projects, networking, workshops and exhibits, lobbying, economic studies, consulting(from $100/hour plus expenses contingent on subject matter)

Pennsylvania

AMETEK, INC. POWER SYSTEMS GROUP

1025 Polinski Road
Ivyland, Pennsylvania 18974
(215) 441-8770

CONTACT: John C. Bowen, Manager
ORGANIZATION SIZE: twenty staff
TYPE OF ORGANIZATION: solar manufacturer; also has research and development, marketing capacity
PURPOSE & GOALS: to develop, manufacture, and market solar systems and subsystems
AREAS OF INTEREST: medium-temperature solar collectors and other solar systems
THINGS THEY DO: advertise and sponsor demonstrations of their products
SERVICES: some consulting is done informally; will respond to information requests from the public

Cooperative
Self
reliance
campaign
SOLAR GREENHOUSE WORKSHOP
REGISTER HERE

by Sarah Heartt for Living Alternatives Magazine
Box 189, Newton, MA 02195

ARCHITECTURAL ENGINEERING DEPARTMENT

Penn State University
101 Engineering "A"
University Park, Pennsylvania 16802
(814) 865-6394

CONTACT: Dr. Luis H. Summers
ORGANIZATION SIZE: fifteen
TYPE OF ORGANIZATION: educational, university
AREAS OF INTEREST: heat loss reduction, building and modeling energy systems, active and passive solar, energy management, energy regulations, computer-aided design
THINGS THEY DO: education of individuals who will provide technical expertise to building design; working on microcomputer-based instrumentation to measure heat loss, infiltration, weather data, solar radiation, daylighting and temperatures
SERVICES: modeling and testing of buildings, consulting, continuing education

BURT HILL KOSAR RITTLEMANN ASSOCIATES

400 Morgan Center - 101 East Diamond Street
Butler, Pennsylvania 16001
(412) 285-4761 or 391-9820

CONTACT: Jean B. Purvis, Director, Public Relations
ORGANIZATION SIZE: seventy
TYPE OF ORGANIZATION: architectural/engineering firm
PURPOSE & GOALS: providing comprehensive architectural/engineering services including energy conservation/solar system design and engineering
AREAS OF INTEREST: passive solar, active dispersed solar, photovoltaics
THINGS THEY DO: energy conserving architectural design, solar system design and engineering(active and passive), energy conservation and solar research and development, energy/solar feasibility studies, energy audits, proposal preparation, writing and consultation
SERVICES: above and presentations on energy conservation/solar system design; demonstration projects, speakers
PUBLICATIONS: numerous articles in journals, proceedings and studies-write for complete listing

CHRISTOPHER FRIED-ENERGY CONSULTANT

RD 3, Box 229G
Catawissa, Pennsylvania 17820
(717) 356-2501

CONTACT: same
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: educator, consultant
PURPOSE & GOALS: to help people learn to use energy wisely; to increase energy awareness, and install and design appropriate technology equipment
AREAS OF INTEREST: conservation, renewable energy technology
THINGS HE DOES: teaches hands-on workshops on solar; conference presentations; tours with energy van demonstrating alternative energy
SERVICES: consulting, referrals, speaker
PUBLICATIONS: "Build a Drain-Back Solar Water Heater", consumer information on energy, solar heat, wood, wind, greenhouses; send SASE for list

WILLIAM H. KNEPSHIELD, CONSULTANT

84 Laney Street
Mifflinburg, Pennsylvania 17844
(717) 966-1193

ORGANIZATION SIZE: two staff
TYPE OF ORGANIZATION: consulting firm
PURPOSE & GOALS: to develop a low-cost, do-it-yourself, active and passive solar housing project that will pay for itself within three years, using 1.5X concentration of parabolic collectors
AREAS OF INTEREST: personal use applications of low-temperature solar systems; also interested in wood and geothermal energy technologies
THINGS THEY DO: has developed a solar house and solar air system as well as a wood-burning fireplace using flexible tubing
SERVICES: demonstrations, speaker/lecturer at $50 plus expenses; consulting at $10/hr. at office
PUBLICATIONS: detailed plans of house and system, solar water heater, solar dehydrator for fruits and vegetables, rock storage (prepaid, $20.50)

LAUREL HIGHLANDS CONSERVATION & DEVELOPMENT PROJECT OF THE WESTERN PENNSYLVANIA CONSERVANCY *

Box 188
Laughlintown, Pennsylvania 15655
(412) 238-5720

CONTACT: William J. Curry III, Director
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: nonprofit citizen group
PURPOSE & GOALS: the promotion of wise land use and good development(regional)
AREAS OF INTEREST: conservation, land use planning, solar, fossil fuels, strip-mining
THINGS THEY DO: strip-mining control; power plant siting issues; encouragement of energy conservation and alternative energy sources
SERVICES: public education, research, consulting, informational answers
PUBLICATIONS: regional on strip-mining and water

MID-ATLANTIC SOLAR ENERGY ASSOCIATION *

Department of Architecture
University of Pennsylvania
Philadelphia, Pennsylvania 19104
(215) 963-0880

CONTACT: Linda Knapp, Coordinator
ORGANIZATION SIZE: two permanent and volunteers
TYPE OF ORGANIZATION: university, community group
PURPOSE & GOALS: to advance the state-of-the-art and the understanding and proliferation of solar energy systems
AREAS OF INTEREST: solar, wind, wood, conservation
THINGS THEY DO: hold regular meetings with speakers; was host to second National Solar Passive Heating and Cooling Workshop(March, 1978); planning more activities for the public needs
SERVICES: open membership, speaker referral service, library, lobbying, workshops and exhibits(no established regular fees)

MO **mobilization FOR SURVIVAL**

3601 Locust Walk
Philadelphia, Pennsylvania 19104
(215) 386-4875

CONTACT: Bob Moore, Herb Ettel
ORGANIZATION SIZE: 130 national, regional, local groups
annual budget-$150,000
TYPE OF ORGANIZATION: coalition
PURPOSE & GOALS: zero nuclear weapons, ban nuclear power, stop the arms race, meet human needs
AREAS OF INTEREST: all safe renewable energy as alternatives to nukes, and the above goals
THINGS THEY DO: organized demonstrations and educational projects, some lobbying for conversion and transfer; nuclear moratorium, direct action and public education at local and regional levels; coordination and networking in the survival movement, connecting issues, uniting social action work
SERVICES: newsletter(suggested donation-$10/yr.), support and communications center, networking, have the links to coordinate on national and international level
PUBLICATIONS: newsletter(above), basic resource packet ($4 +$2 postage), audio-visual guide of all issues ($2)

PENNSYLVANIA POWER AND LIGHT COMPANY

2 North 9th Street
Allentown, Pennsylvania 18101
(215) 821-5534

CONTACT: Preston L. Roberts, Supervisor, Research & Technical Services
ORGANIZATION SIZE: six in research
TYPE OF ORGANIZATION: utility
PURPOSE & GOALS: to provide electric energy, conservation principles and research in new alternatives
AREAS OF INTEREST: conservation, fossil fuels, solar, photovoltaics, cogeneration, wind
THINGS THEY DO: residential construction, systems development, solar heating and cooling
SERVICES: workshops and exhibits, demonstration projects, speakers, library, literature(free in most cases; in some-for costs), consulting on a professional basis

PITTSBURGH ALTERNATE SOURCES OF ENERGY SOCIETY *

R.D.#3
Slippery Rock, Pennsylvania 16057
(412) 938-4000

CONTACT: E.R.Schmidt
ORGANIZATION SIZE: three
annual budget-$2,000
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to distribute information and display materials at schools, shopping malls-to show that alternate energy works
AREAS OF INTEREST: solar, wind, methane, anti-nuclear, conservation
THINGS TEHY DO: display solar collectors, electric cars, wind generators; contact for ASE magazine on alternative energy and the law
SERVICES: demonstration projects, speakers, workshops, exhibits, radio service program
PUBLICATIONS: write for information

RIDGEWAY STEEL FAB---HYDROHEAT DIVISION *

P. O. Box 382
Ridgeway, Pennsylvania 15853
(814) 776-1323

CONTACT: Eric Vaughn, Marketing Division
Tom Herbster, Sales Manager
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture water circulating fireplaces
AREAS OF INTEREST: solar, wood
THINGS THEY DO: manufacture Hydrohearth and Hydroplace; to use the heat of the fireplace for heating the home; plan to do further research of fireplace heat as an alternative energy source
SERVICES: lobbying, speakers, literature, workshops (most at no charge)

RODALE PRESS, INC. *

33 East Minor Street
Emmaus, Pennsylvania 18049
(215) 967-5171

CONTACT: Diana S. Branch, Editor
Nancy Nickum Bailey, Research and Development Division
ORGANIZATION SIZE: 500
annual budget-$250,000(R&D)
TYPE OF ORGANIZATION: publisher, research and development organization

PURPOSE & GOALS: to provide information on organic gardening and farming, healthful living, home production
AREAS OF INTEREST: high-protein production, organic gardening and farming, appropriate technology, alternative power
THINGS THEY DO: have their own practical projects---experimental farm; produce tools for the homesteader and self-sufficiency; fish farming, solar greenhouse; composting research, pedal power
SERVICES: tours at research center and experimental farm, exhibits, limited consulting
PUBLICATIONS: "Organic Gardening",monthly($7.85/yr.), "The New Farm", monthly; "Prevention", monthly; reprints, books

THE SCHOOL OF LIVING *

P. O. Box 3233
York, Pennsylvania 17402
(717) 755-1561

CONTACT: Jubal, President
ORGANIZATION SIZE: 10+
TYPE OF ORGANIZATION: school, research institute
PURPOSE & GOALS: to seek a life centered in organic and creative, rather than mechanical aspects of society
AREAS OF INTEREST: solid wastes, solar, wood, wind, methane, conservation
THINGS THEY DO: operate a land trust with communities in Pennsylvania and Maryland; sponsor seminars; developing food dehydrators, methane generators, solar water heating(first in U.S. home-1947)
SERVICES: demonstration projects, speakers, consulting and referrals, workshops(cost varies), speakers bureau
PUBLICATIONS: "Green Revolution", monthly magazine, books on farming, education-send SASE or $1 for catalog

SEA SOLAR POWER, INC.
J. HILBERT ANDERSON, INC.

2422 South Queen Street
York, Pennsylvania 17402
(717) 741-0884

CONTACT: James H. Anderson, Jr., Vice-President
ORGANIZATION SIZE: fourteen
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to develop and build the first sea solar power plant; to develop a line of industrial vapor turbines for use in these plants; have designed the first commercial hot water geothermal power plant(now in operation)
AREAS OF INTEREST: ocean thermal, geothermal, waste heat power cycles, heat exchangers
THINGS THEY DO: pioneer in sea thermal and hot water geothermal power; plan to design and manufacture vapor turbines and heat exchangers for commercial applications
SERVICES: demonstration projects, speakers, technical studies, consulting, will answer informational requests(for printing/copying charge)

SOLAR MANUFACTURING COMPANY *

40 Conneaut Road
Greenville, Pennsylvania 16125
(412) 588-2571

CONTACT: William C. Irvine, General Manager
ORGANIZATION SIZE: five staff members
TYPE OF ORGANIZATION: manufacturer and distributor
PURPOSE & GOALS: to produce and distribute solar furnaces in the east
AREAS OF INTEREST: solar
THINGS THEY DO: research and manufacturing
SERVICES: demonstration projects, exhibits, consulting, speakers(for travel expenses and $50/day)

SOLAR ROOFING & SIDING

129 Biddle Road
Paoli, Pennsylvania 19301
(215) NI4-6936

CONTACT: Donald K. Hull
TYPE OF ORGANIZATION: solar contractors(passive)
PURPOSE & GOALS: to build energy-efficient homes, passive solar, wood stoves, greenhouses, insulation
AREAS OF INTEREST: wood, passive solar
THINGS THEY DO: opening the "energy credit store", holding seminars on how to save energy in the home
SERVICES: construction, consulting, speaking

LAWRENCE G. SPIELVOGEL, INC.

Consulting Engineer
Wyncote House
Wyncote, Pennsylvania 19095
(215) 887-5600

CONTACT: same
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: consulting firm
AREAS OF INTEREST: energy use and conservation in buildings, conventional and solar for legislative and regulatory purposes, building codes and standards
THINGS THEY DO: consulting on energy management in building on all levels(P.E. in 49 states)
SERVICES: consulting($110/hr.), speaking, seminars, energy and economic studies

SUNWALL INC.---SUNWAY DEALERS

P. O. Box 9723
Pittsburgh, Pennsylvania 15229
(412) 36[illegible]-7402

CONTACT: R.J.Gramm, President
R.H.Shultz,Jr., Vice-President(804) 740-7740
ORGANIZATION SIZE: 2½
annual budget-$200,000+ in sales
TYPE OF ORGANIZATION: manufacturer, retailer
PURPOSE & GOALS: sales and installation of active/passive solar heating and cooling systems manufactured by Sunwall, Inc. and marketed by Sunway
AREAS OF INTEREST: wood, coal, active dispersed and passive solar
THINGS THEY DO: manufacture and distribute complete solar heating systems starting with plastic optical covers(insulated) which the customer may apply for many applications; manufacture liquid and/or air type solar systems starting with trombe walls and graduating upward to roof mounted tents as required
SERVICES: speakers($150/day plus travel)-present professional slide show(50 slides) running 1½ hours with an hour discussion
PUBLICATIONS: Customer Inquiry Package($2), Dealer Inquiry Package($10), "The Energy Boom and Solar Heating"($6)

WOLFE & GREENBERG --- SOLAR CONSULTANTS & CONTRACTORS *

3316 Arch Street
Philadelphia, Pennsylvania 19104
(215) 382-9474

CONTACT: Martin Greenberg, Director
David Wolfe, Partner
ORGANIZATION SIZE: two staff members
TYPE OF ORGANIZATION: distributor of solar products
PURPOSE & GOALS: to maintain a business enterprise by furthering the use of solar energy through consulting, designing, and contracting solar heating systems; passive solar design is favored for space heating while active for domestic hot water; emphasis is on inner city use
AREAS OF INTEREST: specialize in installing solar domestic hot water systems; are dealers for Sunearth Solar Products and Practical Solar Heat Co.; does consulting and contracting for all types of energy conservation---particularly insulation of heaters, furnaces, etc.
THINGS THEY DO: above; design and install solar systems and insulation on heaters, piping, and ducts; planning to establish a store in downtown Philly to sell solar components and publications
SERVICES: teach an Intro to Solar course; provide consulting services at varying costs(mainly in Philadelphia region); are available for speaking engagements at community events

Rhode Island

CRANSTON COMMUNITY ACTION PROGRAM COMMITTEE, INC.

30 Rolfe Street
Cranston, Rhode Island 02910
(401) 467-9610

CONTACT: Daniel S. Waintroob, Domenic Bucci, Roberta Arsac
ORGANIZATION SIZE: 100+
annual budget-$1.2 million
TYPE OF ORGANIZATION: nonprofit agency
PURPOSE & GOALS: low-income social service agency
AREAS OF INTEREST: wind, wood, passive and active dispersed solar, utilities, oil/natural gas
THINGS THEY DO: energy education in schools, solar installations, participate in New England Energy Congress

REDE CORP.

P. O. Box 212
Providence, Rhode Island 02901
(401) 751-7333

CONTACT: Ronald Beckman, Director
Howard Yarme, Director
ORGANIZATION SIZE: seven staff
annual budget-$300,000
TYPE OF ORGANIZATION: research, consulting, design
PURPOSE & GOALS: to use design to solve contemporary problems; to choose projects which impact on third-world needs; intermediate technology, urban problems, and alternative energy sources
AREAS OF INTEREST: solar, wind, architectural retrofit
THINGS THEY DO: retrofit buildings for solar heating, photovoltaic cells,wind devices, industrially produced structures
SERVICES: demonstration projects, technical studies, speakers, installations, planning, consulting ($45/hr.)
PUBLICATIONS: numerous studies on projects(energy, offices, medical facilities)

STATE ENERGY OFFICE

Governor's Energy Office
80 Dean Street
Providence, Rhode Island 02903
Business-(401) 277-3370
Energy Hotline-(401) 277-3773

CONTACT: Roger L. Buck, Director
ORGANIZATION SIZE: 20
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to encourage efficient use of existing energy sources and the development of new sources of energy; to participate with the public and private agencies in planning the development of new energy facilities

AREAS OF INTEREST: audits, conservation, energy capability and management, resource development, solar and other alternative services
THINGS THEY DO: perform education services; developing a hydroelectric energy project in the University of Rhode Island; continuing insulation program-Rhode Islanders Saving Energy; provide training; coordinating weatherizing program throughout the state; gather data
SERVICES: free library resources, information clearinghouse, planning assistance, demonstration projects, speakers bureau, energy hotline, workshops, portable energy information booth, informal consulting
PUBLICATIONS: newsletter, wood stove safety, office brochure, light switch stickers, energy handbook

South Carolina

ENERGY DESIGNS/ARCHITECTS

201 Woodrow Street
Columbia, South Carolina 29205
(803) 799-7495

CONTACT: Dick Lamar, AIA
ORGANIZATION SIZE: two
annual budget-$20,000
TYPE OF ORGANIZATION: architectural, energy design consultant
PURPOSE & GOALS: to promote energy conservation and alternatvie energy through architectural design
AREAS OF INTEREST: passive solar, wood, active dispersed solar
THINGS THEY DO: designs energy conserving/solar buildings; has slide show on low-technology and passive solar for groups; research in passive design
SERVICES: design, consultation(informally and professionally), information presentations to groups interested in alternative energy

SUN STORE, INC. *

427 Wade Hampton Boulevard
Greenville, South Carolina 29609
(803) 242-1902

CONTACT: Donald K. Tate, Treasurer
ORGANIZATION SIZE: nine staff members
TYPE OF ORGANIZATION: distributor of solar heating products; also does installation
PURPOSE & GOALS: to promote energy conservation and the development of solar energy for water and space heating
AREAS OF INTEREST: distribution and installation of several types of solar heating systems
THINGS THEY DO: Sun Store has demonstration projects and slide presentations; try to meet specific needs of each customer; they have a showroom with several examples of the heating systems they install
SERVICES: design work when altering house plans to solar home(average cost $150-250); BTU analysis to correct solar system, some consulting(mostly regional)

South Dakota

DAKOTA WIND AND SUN, LTD.
P. O. Box 1781 Aberdeen, South Dakota 57401
United States of America Phone 605-229-0815
DWS

CONTACT: Bob Kirchner, 131 Beaver Ave., Colorado Springs, CO 80906
ORGANIZATION SIZE: 21
annual sales-$750,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: manufacture wind generators
AREAS OF INTEREST: wind, alcohol fuels, hydroelectric, passive solar, active dispersed solar
THINGS THEY DO: in production with low wind systems (all wind driven alternators are direct drive for maximum efficiency; 3KW, 5KW, 10KW, systems in production with over 130 systems delivered)

SOUTH Dakota
OFFICE OF ENERGY POLICY
Capitol Lake Plaza
Pierre, SD 57501
605/773-3603

CONTACT: Harry Christianson, Director
Kate Hildebrand, Deputy Director

ORGANIZATION SIZE: 17 staff members
annual budget-$1 million
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to advise the government on energy policy; dispense public information; planning, administer state fuel allocation
AREAS OF INTEREST: conservation, solar, wind, hydroelectric, geothermal
THINGS THEY DO: promote research on renewable resources in rural, agricultural environment; plan state energy programs
SERVICES: planning, demonstration projects, workshops and exhibits, technical and economic studies, speakers, lobbying, informal consulting, literature, films, information--at no cost to citizens

SYNAGO CORPORATION

Box 444, 601 Main Street
Rapid City, South Dakota 57709
(605) 342-9444

CONTACT: Marshall W. Mickley
ORGANIZATION SIZE: six
annual budget-$3.5 million
TYPE OF ORGANIZATION: design professionals
PURPOSE & GOALS: to provide architecture of significance, appropriate to the needs of people; this includes energy-efficient structures that utilize innovative systems and energy sources
AREAS OF INTEREST: wind, wood, passive and active dispersed solar, subterranean structures
THINGS THEY DO: has designed energy-efficient buildings, solar townhouses and a subterranean structure(St. Patrick's church) that will require minimal energy consumption
SERVICES: normal architectural design services resulting in innovative solutions and consulting services concerning specific design problems(fees according to scope of project)

Tennessee

AFG INDUSTRIES INC.

P. O. Box 929
Kingsport, Tennessee 37662
(615) 245-0211

CONTACT: Ronald R. Tiller, Dir. of Marketing
Brenda Doane
ORGANIZATION SIZE: seven
TYPE OF ORGANIZATION: flat glass manufacturer
PURPOSE & GOALS: to manufacture and sell flat glass utilized in solar collector applications
AREAS OF INTEREST: solar, photovoltaics, high-temperature solar
THINGS THEY DO: market their products to all of the major flat plate collector manufacturers as well as photovoltaic and heliostat system
SERVICES: workshops, exhibits, demonstration projects, library, technical studies, technical service for their products

CONCERNED CITIZENS OF TENNESSEE

110 Pembroke Avenue
Nashville, Tennessee 37205
(615) 356-6743

CONTACT: Faith Young
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to question construction of TVA-proposed Hartsville Nuclear Plant and any other nuclear-related activity in Tennessee
AREAS OF INTEREST: TVA
THINGS THEY DO: licensing interventions, lawsuits, promotion-publicity, fundraising, organizing, direct actions-rallies, education
SERVICES: educate on TVA-Nuclear Relationship in general and Hartsville Plant, in particular

CUMBERLAND GENERAL STORE

Rt. 3
Crossville, Tennessee 38555
(615) 484-8481

CONTACT: Miles R. Clark, General Manager
ORGANIZATION SIZE: 35
TYPE OF ORGANIZATION: retailer
PURPOSE & GOALS: to promote labor-intensive, "old-fashioned" way of doing things
AREAS OF INTEREST: wood, wind, hydroelectric power
THINGS THEY DO: sell and inform about alternative energy
SERVICES: literature,informal requests answered
PUBLICATIONS: catalog available($3.75)

EAST TENNESSEE ENERGY GROUP *

1538 Highland Avenue
Knoxville, Tennessee 37916
(615) 546-7811

CONTACT: John Z.C.Thomas, Staff Person
ORGANIZATION SIZE: three
annual budget-$5,000
TYPE OF ORGANIZATION: utility consumer representative
PURPOSE & GOALS: to help educate the public on issues of energy as related to the Tennessee Valley Authority; to learn from the consumers and their environment
AREAS OF INTEREST: nuclear power, rate structure, environmental and consumer protection
THINGS THEY DO: research on electric rates and nuclear energy, community organizing; take part in nuclear interventions(Clinch River, Phipps Bend); work with Knoxville Citizens for Low Utility Rates
SERVICES: demonstration projects, workshops, exhibits, literature, library, informal consulting(information for cost of printing and mailing)

EAST TENNESSEE RESEARCH CORPORATION *

P. O. Box 436
Jacksboro, Tennessee 37757
(615) 562-3396

CONTACT: Neil McBride, Bill Allen, John Williams, Carol Jones
ORGANIZATION SIZE: five staff members
annual budget-$100,000
TYPE OF ORGANIZATION: citizen energy research
PURPOSE & GOALS: to provide legal and technical assistance to community organizations in the coal field region of East Tennessee; involved solely with TVA through a project to increase public participation in agency's decisionmaking
AREAS OF INTEREST: environmental protection, regulatory aspects of fossil fuels, nuclear, hydroelectric, wood and conservation systems
THINGS THEY DO: have undertaken litigation and petitions to change the rate structure and procedures employed by TVA for changing power contracts with distributors; research on peak pricing demonstrations; plan an analysis of TVA's Conservation Program and stripmine reclamation policies
SERVICES: networking, speakers, technical study, assistance on some issues to other grassroots groups
PUBLICATIONS: short papers on TVA

ENERGY CONVERTORS, INC.

2501 North Orchard Knob Avenue
Chattanooga, Tennessee 37406
(615) 624-2608

CONTACT: John Connelly
ORGANIZATION SIZE: five
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to develop, market and install solar utilization products
AREAS OF INTEREST: wood, methane and other biomass, passive and active dispersed solar, photovoltaics, geothermal, utilities, oil/natural gas
THINGS THEY DO: design and manufacture solar collector panels, solar water heaters
SERVICES: installation
PUBLICATIONS: catalog of products

OAK RIDGE SOLAR ENGINEERING, INC. *

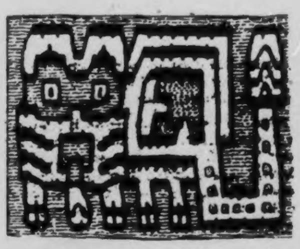
110 Peach Road, P. O. Box 3016
Oak Ridge, Tennessee 37830
(615) 482-5290 or 483-5153

CONTACT: V.J.Hockman, Chairman of the Board
D.G.McAlister, President
ORGANIZATION SIZE: five staff members
TYPE OF ORGANIZATION: manufacturer, inventor
PURPOSE & GOALS: inventing and producing the Rapid-90 collector for solar use
AREAS OF INTEREST: solar for heating, air-conditioning, hot water, and swimming pools
THINGS THEY DO: invent and promote their products; solar engineering; two prototypes in existence and two more being planned
SERVICES: will license or contract manufacturers for the Rapid-90 under the patent; will assist in marketing; demonstration projects; workshops, consulting especially for low-solar radiation areas
PUBLICATIONS: newsletter, brochures on their products

SAVE OUR CUMBERLAND MOUNTAINS, INC.

P. O. Box 457
Jacksboro, Tennessee 37769
(615) 562-6247

CONTACT: Linda Smotherman, President
ORGANIZATION SIZE: 6 staff(approx. 700 members)
annual budget-$45,000
TYPE OF ORGANIZATION: community action group
PURPOSE & GOALS: to help improve the quality of life in the rural Tennessee area, particularly in the coal regions
AREAS OF INTEREST: environmental protection and coal mining
THINGS THEY DO: lobby--they employ a full-time lobbyist at the state level to work for better surface-mining laws; economic studies; research on land ownership patterns, economic conditions; has achieved changes in state law protecting local people and resulting in fair taxation and strip-mine controls
SERVICES: mostly to local members but literature is available to all; speakers and films are also available to non-members
PUBLICATIONS: postcards-15¢each, newsletter-SOCM Sentinel-$5/yr., T-shirts-$4/ea., various studies and irregular publications announced in the newsletter



TENNESSEE ENVIRONMENTAL COUNCIL

P. O. Box 1422
Nashville, Tennessee 37202
(615) 251-1110

CONTACT: Ma[illegible] Taylor
ORGANIZATION SIZE: 25 organizational members;
100 individuals
TYPE OF ORGANIZATION: nonprofit public interest
PURPOSE & GOALS: information services to members and public; education and action in environmental and energy issues; emphasis on state level policies and programs
AREAS OF INTEREST: environmental impacts of energy use; conservation, renewable energy sources
THINGS THEY DO: urban residential outreach for conservation information; response to legislative and program changes
SERVICES: workshops, information distribution, technical advice
PUBLICATIONS: Tennessee Environmental Report, monthly newsletter

Texas

CASE(CITIZENS ASSOCIATION FOR SOUND ENERGY)

P.O. Box 4123
Dallas, Texas 75208
(214) 946-9446

CONTACT: Juanita Ellis, President
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to inform, unify, and stimulate concerned, responsible individuals to effective action in the field of energy, to offer information on how to use energy economically, what energy resources are currently available, what innovative technologies and underdeveloped resources can be used and how they affect the quality of life, to promote the economical energy resources
AREAS OF INTEREST: all alternative forms of energy, utilities, nuclear
THINGS THEY DO: intervenors in nuclear licensing hearings(Comanche Peak Nuclear Power Plant at Glen Rose, Texas)
SERVICES: after hearings--expect to have extensive information on all aspects of intervention in nuclear power plant hearings; will make available at cost; memberships
PUBLICATIONS: newsletter--3/4 times a year, brochures

CITIZENS' ENVIRONMENTAL COALITION EDUCATIONAL FUND, INC.

1 Main Street, #1016
Houston, Texas 77002
(713) 228-0037

CONTACT: Elizabeth Lankford, President
ORGANIZATION SIZE: one paid, 12 active board
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to act as an environmental clearinghouse; to foster public awareness of environmental activities; to coordinate these activities
AREAS OF INTEREST: conservation, comparison of energy sources, mass transit, air pollution and healthy land-use planning, toxic substances
THINGS THEY DO: represent over 40 groups; host inquiries and publish results; promote energy education; planned an "Involvement Day" with the Jacques Cousteau Society on Energy and the Sea.
SERVICES: literature, speakers, workshops and exhibits, library(free)

THE ENERGY INSTITUTE *

University of Houston
Houston, Texas 77004
(713) 749-3272

CONTACT: John R. Howell, Director
Andrew H. Samson, Deputy Director
ORGANIZATION SIZE: ten
annual budget-$359,000
TYPE OF ORGANIZATION: university group
PURPOSE & GOALS: to encourage research, public awareness and dissemination of energy information on all aspects of energy
AREAS OF INTERESTS: conservation, solar, hydrogen methane, fossil fuels, all energy
THINGS THEY DO: hold workshops and seminars on various energy fields; hold conferences on such things as energy conscious design; study/research energy policy, utility rate structure, heat transfer, hybrid vehicles and residual oil recovery
SERVICES: seminars, workshops, conferences, publications, technical and economic studies, demonstration projects, speakers, library
PUBLICATIONS: newsletter and reports-write for listing and more information

LECTRIC LITES
Company

LECTRIC LITES COMPANY

2504 Vickery Boulevard
Fort Worth, Texas 76102
(817) 332-7961

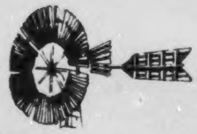
CONTACT: Dr. Richard N. Claytor
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture Fresnel Lenses for solar energy applications
AREAS OF INTEREST: active dispersed solar, photovoltaics
THINGS THEY DO: several solar energy projects
SERVICES: consulting and applications engineering services on the use of the lenses in solving solar energy problems
PUBLICATIONS: product brochure

MAX'S POT: THE CENTER FOR MAXIMUM POTENTIAL BUILDING SYSTEMS

8604 F.M. 969
Austin, Texas 78724
(512) 928-4786

CONTACT: Pliny Fisk, Gail Vittori
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: public nonprofit organization doing regionally based appropriate technology; environmental planning; research and education; architecture and passive engineering
PURPOSE & GOALS: to study regional questions of energy and resources and develop locally based solutions to fulfill local needs
AREAS OF INTEREST: passive architecture, biomass, water conservation, earth construction
THINGS THEY DO: focus on integrated systems approach suitable to the scale and available resources of the project, ranging from communities to schools and individual homes
SERVICES: community energy planning; community-based solar collector, stove, mesquite biomass and earth block factories; low cost housing integrating passive solar design and earth materials; publications, workshops, lectures, exhibits

PRAIRIE SUN AND WIND COMPANY



4408-62nd Street
Lubbock, Texas 79414
(806) 795-1412

CONTACT: Kenneth Laine Ketner, Owner
Berti Ketner, Owner
ORGANIZATION SIZE: two, and consultants
TYPE OF ORGANIZATION: research, sales, consulting
PURPOSE & GOALS: to act as a consulting agency for wind energy applications; sell certain equipment at lowest prices for do-it-yourselfers; research and design
AREAS OF INTEREST: wind, solar, integrated systems, sales
THINGS THEY DO: designed integrated wind, solar, and methane systems for energy self-sufficiency; workshop in wind energy held; plan to build energy-efficient home and publish results
SERVICES: survey of equipment for each application; workshops, networking, consulting and referrals (fees negotiable); requests answered, assist in rebuilding wind machines, parts for wind plants
PUBLICATIONS: send $1 for information and price list

SOLAR ENERGY ADVISORY SERVICE

a division of Energy Harvesters, Inc.
4454 Cardiff Avenue
Fort Worth, Texas 76133
(817) 292-8396

CONTACT: R. Bruce Hook
ORGANIZATION SIZE: 1-2
annual budget-$15-30,000
TYPE OF ORGANIZATION: energy consultants
PURPOSE & GOALS: private consultant providing a variety of energy related services; these include advisory to builders of passive solar residences; energy coordinator for various agencies; technical management advisor for solar manufacturers; inspection of installations and evaluation
AREAS OF INTEREST: passive solar, active dispersed solar
THINGS HE DOES: above and community weatherization programs, solar installations, product manufacturing, passive solar homes
SERVICES: available for discussion of the needs of an interested client

SOLAR ENGINEERING PUBLISHERS, INC.

8435 N. Stemmons Freeway, Suite 880
Dallas, Texas 75247
(214) 630-6963

CONTACT: Anna Fay Friedlander, Editor
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: privately owned firm which publishes Solar Engineering Magazine and SEM, The Solar Engineering Master Catalog and Solar Industry Product Index; both are official publications of the Solar Energy Industries Association
AREAS OF INTEREST: all alternative energy areas
THINGS THEY DO: indexing of solar energy components and systems into the format of Construction Specifications Institute; analysis of activity in various markets of solar applications; consultant to Solar Energy Research Center on technical information dissemination; industry technical representative for the exhibition of solar product catalogs in Australia for U.S. Dept. of Commerce
SERVICES: speaker, workshops on engineering of solar systems, slide shows with audio accompaniment
PUBLICATIONS: Solar Engineering Magazine($20/year); SEM($15 each); slide shows and video cassettes-send for complete listing of these

SOLAR KINETICS, INC. *

147 Parkhouse Street
Dallas, Texas 75207
(214) 747-6519

CONTACT: Gus Hutchinson
ORGANIZATION SIZE: ten
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and sell medium- and high-temperature collectors for solar energy
AREAS OF INTEREST: solar
THINGS THEY DO: manufacture and sell an efficient linear parabolic collector system
SERVICES: consulting($300/day)

TEXAS SOLAR ENERGY SOCIETY (TX-SES)

1007 S. Congress, Suite 359
Austin, Texas 78704
(512) 443-2528

CONTACT: Russel E. Smith, Executive Director
ORGANIZATION SIZE: 450+ members, 3 paid staff
annual budget-$100,000+
TYPE OF ORGANIZATION: solar energy society composed of solar energy researchers, manufacturers, distributors, consultants, architiects, as well as government officials, citizens, users, students
PURPOSE & GOALS: to promote solar energy and related technologies (wind and biomass storage) through information and education
AREAS OF INTEREST: provides information on most energy technologies--bioconversion, photovoltaics, solid wastes, wood, methane, tidal, wind, ocean thermal, and high temperature and other solar
THINGS THEY DO: sponsors two yearly conferences for the public; provides technical presentations of recent developments; contract to perform 20 solar design workshops around the state for the Governor's Office of Energy Resources
SERVICES: can provide referrals to information sources; e.g. lists of manufacturers, laws, tax information
PUBLICATIONS: TX-SES News and TX-SES Technical Bulletin published quarterly(subscription included in membership fee: $15 full member; $10 affiliate member) Solar Energy in Texas: An Overview(survey of solar activity, companies, individual specialists in the state-$12.50 non-members; $10 members)

WEST TEXAS STATE UNIVERSITY

Alternative Energy Institute
West Texas State University
Box 248 - Canyon, Texas 79016
(806) 656-3904

CONTACT: Dr. Vaughn Nelson, Director, Alternative Energy Institute
ORGANIZATION SIZE: three
annual budget-from grants
TYPE OF ORGANIZATION: university group
PURPOSE & GOALS: to conduct research and development in the use of alternative sources of energy
AREAS OF INTEREST: wind, solar, biomass
THINGS THEY DO: study of wind characteristics for Texas; use of wind power for irrigation; computer programs for energy research; testing for Wind Energy Conversion Systems(WECS)
SERVICES: speakers; disseminate information through an information center; sponsor seminars and symposia; offer two courses(on solar and wind); demonstration projects; consulting
PUBLICATIONS: proceedings and articles--send for list

WIND ENGINEERING CORPORATION *

Airport Industrial Area
Box 5936
Lubbock, Texas 79417
(806) 763-3182

CONTACT: Coy F. Harris, President
John L. Baker, Vice-President
ORGANIZATION SIZE: four
annual budget-varies
TYPE OF ORGANIZATION: manufacturer, distributor
PURPOSE & GOALS: to manufacture and distribute DAF Vertical Axis Wind Turbines, Dynergy VAT, Dakota Wind HAT(horizontal axis) and 23kw HAT
AREAS OF INTEREST: wind energy
THINGS THEY DO: design a wind energy system such as water pumping with a VAT or microwave tower power supply with wind mills; have sold various sizes of this system
SERVICES: demonstration projects, speakers, consulting($20/hr. plus travel)

Utah

BILLINGS ENERGY CORPORATION *

2000 East Billings Avenue
P. O. Box 555
Provo, Utah 84601
(801) 375-0000

CONTACT: Richard Hartley, Vice-President
Jim Dangerfield, Corporate Communications
ORGANIZATION SIZE: 70
annual budget-$4 million
TYPE OF ORGANIZATION: manufacturer/ research
PURPOSE & GOALS: to research and develop technology for the application of hydrogen for use in automobiles, homes and industry
AREAS OF INTEREST: primarily hydrogen
THINGS THEY DO: have converted 17 engines or vehicles to hydrogen; market hydride tanks and a low-cost electrolyzer; have built a total-energy, hydrogen powered home with farm tractor
SERVICES: speakers, workshops, demonstration projects, literature, films($225 or $17.50 rental)
PUBLICATIONS: papers($2.50), Quarterly Magazine($10/yr.)

LEAGUE OF WOMEN VOTERS OF UTAH

211 East Third South, #200
Salt Lake City, Utah 84111
(801) 328-4532

CONTACT: Sandy Peck
ORGANIZATION SIZE: membership--650
annual budget-$14,000
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: promote the informed and active participation in government
AREAS OF INTEREST: distribute information about energy and alternatives
THINGS THEY DO: discussion groups and workshops on energy
SERVICES: workshops, literature

Vermont

ENERTECH CORP.

P. O. Box 420
River Road
Norwich, Vermont 05055
(802) 649-1145

CONTACT: Dr. William E. Drake, President
Robert W. Sherwin
Edmund Coffin
ORGANIZATION SIZE: 45
TYPE OF ORGANIZATION: manufacturer of wind systems
PURPOSE & GOALS: to engineer, manufacture and market reliable wind-powered generating systems up to 15KW
AREAS OF INTEREST: wind energy
THINGS THEY DO: engineer, manufacture and sell windmills
SERVICES: site surveys, installation and after sales service through large dealer network
PUBLICATIONS: write for information

FRIENDS OF THE SUN *

P. O.Box 725
210 Main Street
Brattleboro, Vermont 05301
(802) 254-4208

CONTACT: James Stiles, General Manager
Robert Johnson, Proprietor
ORGANIZATION SIZE: two staff members
TYPE OF ORGANIZATION: a retail store located in a recycled church that has energy and water conserving products, wood stoves, solar systems, electric vehicles, and others as well as services to back up these products
PURPOSE & GOALS: to supply a comprehensive range of energy products and services in the area
AREAS OF INTEREST: concerned with the sale, manufacture and personal use of a range of alternative energy services, products and techniques; conducting research in electric vehicles; will offer a small electric car, the MHO Electric, when it comes on the market
THINGS THEY DO: have done highly successful energy conservation work in a commercial laundry as well as many small projects; are participating in planning for a solar greenhouse conference, and an energy study for Windham College; consulting on many solar and self-sufficient homes; plan working on educational aspects of the BTU Conference for New England Solar Energy Association in Hartford
SERVICES: sales, library, networking, conduct technical and economic studies, consulting; "We will only respond briefly to written requests; lengthier responses will be given in the store, on a consulting basis, or in our seminars which are the first Wednesday of every month."
PUBLICATIONS: catalog of publications

NEW ENGLAND COALITION ON NUCLEAR POLLUTION

Box 637
Brattleboro, Vermont 05301
(802) 257-0336

CONTACT: R. James McConaha, President
Diane Sidebotham, Legal/Technical Chairperson
ORGANIZATION SIZE: three part-time staff
600 members
TYPE OF ORGANIZATION: resource and information center for gathering and dissemination on grassroots level
PURPOSE & GOALS: educational organization aimed at informing the public about the hazards of nuclear energy and facts about energy production from alternative, non-polluting sources
AREAS OF INTEREST: solar, nuclear, wind, wood, conservation, solid wastes, methane, photovoltaics, bioconversion
THINGS THEY DO: act as intervenors in nuclear plant hearings before the AEC and NRC; provide information and resources; have a van to go to schools, fairs, providing talks and exhibits on clean, renewable energy sources
SERVICES: films, speakers, slides($15 for slide or film rental), informal consulting, library, literature
PUBLICATIONS: monthly digest, "On the Watch" for members and subscribers; quarterly "NECNP Newsletter"

NEW ENGLAND REGIONAL ENERGY PROJECT *

P. O. Box 514
Burlington, Vermont 05401
(802) 863-3408

CONTACT: Louise McCarren, Director
George Sterzinger, Staff Economist
ORGANIZATION SIZE: five staff members
annual budget-$50,000
TYPE OF ORGANIZATION: center supported by CSA
PURPOSE & GOALS: to provide technical and legal expertise to CSA grantees and legal service staffs in New England
AREAS OF INTEREST: utility rate design, energy consumption, anti-nuclear, alternative energy resources
THINGS THEY DO: assist with lobbying on all levels, studies on rate relief, disconnect laws, develop model regulations for utilites
SERVICES: technical assistance and legal aid for energy issues; information clearinghouse, studies, workshops, library(for CSA grantees)
PUBLICATIONS: newsletter and referrals

NEW ENGLAND SOLAR ENERGY ASSOCIATION *

P. O. Box 541
Brattleboro, Vermont 05301
(802) 254-2386

CONTACT: Tom Minnon, Executive Director
ORGANIZATION SIZE: 2000 members
annual budget-$100,000
TYPE OF ORGANIZATION: nonprofit, educational
PURPOSE & GOALS: to keep informed of the governmental, technical and business development policies that benefit New England; provide a forum for the concerns involved in the creation of a solar energy industry in New England
AREAS OF INTEREST: solar, wind, wood, photovoltaics, hydroelectric, biomass and other alternate energy sources
THINGS THEY DO: bimonthly newsletter, annual solar conference, solar bookstore, regular meetings through local chapters
SERVICES: speakers, demonstration projects, consulting, workshops, planning, studies, library
PUBLICATIONS: New England Yellow Pages of Solar Energy, 2nd edition, 1977; do-it-yourself books; NESEA '77 Better Thermal Utilization

NORTH WIND POWER CO

BOX 315
WARREN
VERMONT 05674
802 496 2955
TELEX 940933

CONTACT: John H. Norton, President
Donald Mayer, Vice President
ORGANIZATION SIZE: fifteen staff members
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: development, manufacture and sales of wind electric generators
AREAS OF INTEREST: wind electric generation systems
THINGS THEY DO: manufacture and sell a 2kW high-reliability wind generator(the HR2) for battery charging, including subcomponents such as towers, batteries, inverters, etc.; by late 1981 North Wind will have a 4kW line interface wind generator for residential use suitable for interface with utility power
SERVICE: site analysis, system design, and installation can provide complete systems for residential, commercial, corrosion protection, radio and TV broadcast, telecommunications and remote sites

NORTHERN DESIGN BUILDERS

Lawrence Atkin, Architect
28 Elm Street
Montpelier, Vermont 05602
(802) 223-3484

CONTACT: same
ORGANIZATION SIZE: 25 staff
TYPE OF ORGANIZATION: construction energy management, architects
AREAS OF INTEREST: construction emphasizing energy conservation
THINGS THEY DO: develop retrofit programs for homes in Northern climates, develop curricula for self-help; new home designs and building, remodeling, renovations
SERVICES: consulting, design, research library, curriculum development, energy management
PUBLICATIONS: energy audits, research reports, tapes and catalogue of effective retrofit measures

PARALLAX CORP. *

P. O. Box 85
Hinesburg, Vermont 05461
(802) 482-3066

CONTACT: Dr. Douglas Taff
ORGANIZATION SIZE: twelve staff members
TYPE OF ORGANIZATION: architectural/engineering
PURPOSE & GOALS: to develop and market energy and agricultural related implements such as solar collectors and solar-heated greenhouses
AREAS OF INTEREST: solar, wood, bioconversion, conservation
THINGS THEY DO: have designed and built solar greenhouses that lower the fuel consumption of "any building they attach to"; architectural consulting and engineering of schools, industrial buildings and homes
SERVICES: speakers, workshops, publications, technical studies, consulting($200-300/day)
PUBLICATIONS: "How to Build a Solar Greenhouse: Garden Way's Solar Room Plans"($9.95)

SOLAR ALTERNATIVE INC.

22 South Main Street
Brattleboro, Vermont 05301
(802) 254-6668

CONTACT: Adrian Segar
ORGANIZATION SIZE: 4-12
annual budget-$100,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture SOLITE solar collector and SOLITE domestic hot water systems; design and building of passive solar homes/greenhouses; distribute wide range of solar components
AREAS OF INTEREST: passive solar and active dispersed
THINGS THEY DO: have sold 37 solar domestic hot water systems to date, involved in training programs for Community programs
SERVICES: consulting and design for solar

SOUTHEASTERN VERMONT COMMUNITY ACTION *

Box 396
Bellows Falls, Vermont 05101
(802) 463-4482

CONTACT: Brandy Ginsburgh
David Deen, Executive Director
ORGANIZATION SIZE: 45 members
TYPE OF ORGANIZATION: federally-funded, research, community based manufacturer
PURPOSE & GOALS: community action agency sponsored by Community Services Administration with the goal of eliminating poverty; makes stoves to provide employment, training, inexpensive and readily-available heat

THINGS THEY DO: Stove Works has people working on research and development of hot water systems and new variations of the stove
SERVICES: demonstration projects, speakers, workshops, exhibits(on local level up to regional)
PUBLICATIONS: newsletter, brochures

THE STOVE STORE

Rt. 314
Grand Isle, Vermont 05458
(802) 833-2444

CONTACT: Frank and Lynda Clark
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: retailer
PURPOSE & GOALS: sales and service of wood and coal-burning equipment
AREAS OF INTEREST: wind, wood, alcohol fuels, active dispersed solar
THINGS THEY DO: design and evaluate water heating equipment, both wood and solar; development of heat exchangers, installation, safety inspections
SERVICES: inspection of stoves, pipe and installations, review of documents, books, movies for state agencies and private groups involving wood; hold and run public meeting on wood heat(local only)
PUBLICATIONS: lots of articles, T.V. shows

VERMONT DEPARTMENT OF FORESTS, PARKS, AND RECREATION *

5 Court Street
Montpelier, Vermont 05602
(802) 828-3375

CONTACT: E. Bradford Walker, Director of Forests
ORGANIZATION SIZE: 75
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to manage the forest resource for the benefit of Vermont's citizens
AREAS OF INTEREST: wood, conservation, bioconversion
THINGS THEY DO: promote forest management, wood use and conservation
SERVICES: technical assistance, planning, speakers, library, technical studies on wood resources; advice on woodlot management
PUBLICATIONS: Task Force Report on Wood as Energy; Vermont's Forests, Vermont Forest Resources

Virgin Islands

VIRGIN ISLANDS ENERGY OFFICE

P. O. Box 2996
St. Thomas, Virgin Islands 00801
(809) 774-6726

CONTACT: Dr. Frank R. Prince, Energy Director
ORGANIZATION SIZE: 23 staff
annual budget-$750,000
TYPE OF ORGANIZATION: state energy office
PURPOSE & GOALS: to coordinate state energy program
AREAS OF INTEREST: main emphasis is on energy conservation and use
THINGS THEY DO: implement federally-mandated energy programs; encourage energy conservation in public and private sectors; stimulate public awareness of energy issues; promote alternate energy sources appropriate to the Virgin Islands
SERVICES: energy extension service

Virginia

ALEXANDRIA OFFICE OF CONSUMER AFFAIRS

Box 178---City Hall
Alexandria, Virginia 22313
(703) 750-6697

CONTACT: Naomi Medvin
ORGANIZATION SIZE: six
annual budget-$75,000
TYPE OF ORGANIZATION: government agency
PURPOSE & GOALS: consumer education, consumer complaint and investigation, consumer legislation and regulation(intervening in utility rate cases), organize consumers(particulary low-income) around neighborhood issues
AREAS OF INTEREST: all alternatives, utilities, oil/natural gas
THINGS THEY DO: consumer education workshops(series of 12), intervention of behalf of Alexandria citizens in Virginia rate cases, energy conservation education
SERVICES: consulting, speakers, films, newsletter, free brochures, workshops

AMERICAN GEOLOGICAL INSTITUTE

5205 Leesburg Pike
Falls Church, Virginia 22041
(703) 379-2480

CONTACT: Dr. A.G. Unklesbay, Executive Director
Dr. Grover Murray, President
ORGANIZATION SIZE: fifty
annual budget-$1.8 million
TYPE OF ORGANIZATION: association of earth science societies
PURPOSE & GOALS: to encourage the advancement of the earth sciences; to promote research; dissemination of knowledge by meetings, publications, reports
AREAS OF INTEREST: in energy-fossil fuels, geothermal, nuclear, energy released by natural radioactive decay, solar, ocean
THINGS THEY DO: raise money for scholarships in earth sciences; revising a school text on earth science; produce GeoRef, a data base in the earth sciences
SERVICES: literature, workshops
PUBLICATIONS: "Geotimes"($12/yr.)

AMERICAN MOTOR INNS *

P. O. Box 14100
Roanoke, Virginia 24022
(703) 342-4531

CONTACT: Dick Metz, Vice-President
ORGANIZATION SIZE: one
TYPE OF ORGANIZATION: motel-hotel
PURPOSE & GOALS: to own and operate 58 Holiday Inns
AREAS OF INTEREST: solar, fossil fuels
THINGS THEY DO: participated in ERDA program(1977) for solar heating and cooling by paying 25% of costs for the world's largest solar energy cooling system at the Frenchman's Reef Holiday Inn in St. Thomas, Virgin Islands(13,000 sq.ft. of collectors)
SERVICES: demonstration project(sponsored by ERDA), workshops, exhibits

ARTECH CORP.

2901 Telestar Court
Falls Church, Virginia 22042
(703) 560-3292

CONTACT: Dr. Fred Ordway, Vice-President
ORGANIZATION SIZE: 40 staff
TYPE OF ORGANIZATION: manufacturer/researcher
PURPOSE & GOALS: research, development, testing, consulting in physical science and engineering; development of profitable applications of heat-of-fusion thermal energy storage; want to develop compact thermal storage modules for solar heating and air-conditioning
THINGS THEY DO: working on applications of heat-of-fusion materials to frozen food thaw indicator, storage of solar heat
SERVICES: contract R&D, testing, consulting($50/hr.), literature, technical studies, workshops

CITIZENS ENERGY FORUM(CEF)

Box 138
McLean, Virginia 22101
(703) 243-9574

CONTACT: Mary Meredith
ORGANIZATION SIZE: mostly volunteer(15-20 people)
TYPE OF ORGANIZATION: citizen group, public research and education
PURPOSE & GOALS: to raise issues of nuclear power controversy-health, environmental, economic, ethical/social, etc.-through public outreach
AREAS OF INTEREST: wind, wood, methane, alcohol fuels and other biomass, passive and active dispersed solar, utilities, oil/natural gas, photovoltaics, nuclear fission energy and fusion, solid wastes, hydroelectric
THINGS THEY DO: public forums on nuclear energy, produce effective public education events, have assisted new groups in organizing educational programs, supply speakers, opposing waste storage at North Anna nuclear plant in Louisa, Va.; coordinating statewide research of potential for alternative energy development in Virginia
SERVICES: speakers on nuclear power, health/radiation, general overview, radioactive wastes, ethical issues and social impacts; slide show(in conjunction with Critical Mass Energy Project); assistance to groups in organizing public events
PUBLICATIONS: "The Costs of Nuclear Power"(3 pages, 10¢), "Radiation, Human Health and Survival"-transcript of a speech by Dr. Helen Caldicott-(14 page booklet,50¢); "Renewable Energy for Virginia's Future",(13 page booklet, $1), bibliographies and reprints are available for 5¢ each as well as tapes-write for complete listing and send a stamp self-addressed envelope, please

Institute for Ecological Policies

9208 Christopher Street • Fairfax, Virginia 22031 • (703) 691-1271

CONTACT: Jim Benson, Director
ORGANIZATION SIZE: 2-7
TYPE OF ORGANIZATION: nonprofit research and publishing
PURPOSE & GOALS: to disseminate information useful to grassroots activists and to promote environmentally sound alternative energy policies and programs
AREAS OF INTEREST: solar, alternative energy sources, energy and environmentally issues, community energy planning, political awareness
THINGS THEY DO: IEP is coordinating the County Energy Plan, an alternative to the National Energy Plan--it will be based on citizen performed county energy plans; publishes community organizing materials
PUBLICATIONS: County Energy Plan Guidebook($7.50), Values Forum newsletter---send SASE for listing

INTERTECHNOLOGY/SOLAR CORPORATION

276 Broadview Avenue
Warrenton, Virginia 22186
(703) 347-9500

CONTACT: Frank Lozano, Marketing Specialist
ORGANIZATION SIZE: forty
TYPE OF ORGANIZATION: systems engineering, manufacturer
PURPOSE & GOALS: to design and manufacture solar heating systems for residential, commerical and industrial and institutional facilities; manufacture of domestic hot water kits and solar swimming pool heating kits
AREAS OF INTEREST: energy management, conservation, solar, bioconversion
THINGS THEY DO: designed first elementary school to use solar heated & cooled systems; studying all potential solar applications to industrial process heat; community energy planning; manufacture solar hardware(collectors, kits)
SERVICES: demonstration projects, technical and economic studies, library, consulting, lobbying(each service is priced separately)

RITEWAY MANUFACTURING COMPANY

P. O. Box 153
Harrisonburg, Virginia 22801
(703) 434-7090

CONTACT: Lola B. Connors, Sales Manager
ORGANIZATION SIZE: 160
TYPE OF ORGANIZATION: manufacturer

PURPOSE & GOALS: to manufacture and distribute energy efficient equipment
AREAS OF INTEREST: wood, high-temperature solar
THINGS THEY DO: research in solar heating and air-conditioning; calculate heat loss, manufacture solid fuel space heaters and multi-fuel furnaces and boilers
SERVICES: technical studies, literature, workshops, exhibits; heat loss calculations at no charge; design custom heating systems requiring special applications

SCHOOL OF ENGINEERING *

Old Dominion University
Norfolk, Virginia 23508
(804) 489-6485

CONTACT: Professor A. Sidney Roberts Jr.
ORGANIZATION SIZE: four in alternative energies
TYPE OF ORGANIZATION: state university
PURPOSE & GOALS: education, public service, research
AREAS OF INTEREST: conservation, nuclear, solar space heating, energy policy and planning, solar distillation
THINGS THEY DO: research on optimal design for intermediate and high-temperature solar systems; coordination of workshops for secondary school teachers on energy utilization
SERVICES: contracted work performed at cost; workshops, speakers, consultation($200/day plus expenses)

SOLATHERM CORP.

1255 Timber Lake Drive
Lynchburg, Virginia 24502
(804) 237-3249

CONTACT: W.W.Hays III
ORGANIZATION SIZE: four
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture the Solatherm Fireplace Water Heating System--a heat recovery system
AREAS OF INTEREST: wood energy/heat
THINGS THEY DO: manufacturing and marketing
PUBLICATIONS: brochures, technical specifications and installation instructions on their system

THERMADYNE, INC.

206 Birch Street
Alexandria, Virginia 22305
(703) 549-5325

CONTACT: [illegible]hn D. Ruff, President(number above)
[illegible]illip R. Wheeler, 703/836-4986
TYPE OF ORGANIZATION: retailer, service
PURPOSE & GOALS: to offer development and service of heating and cooling equipment
THINGS THEY DO: will consider licensing or assistance in the development of Solar Heat Pump which uses roof panel water to activate freon boiler for driving a "steam" type of engine(Rankine cycle) for driving a compressor for heating and cooling
SERVICES: area representative for Dunham-Bush Co. for their compressors

Virginia Solar Components, Inc.

Hwy 29 South
Rustburg, Virginia 24588
(804) 821-9523

CONTACT: Bob Savage, President
ORGANIZATION SIZE: three
annual budget-$150,000
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture solar and alternate energy related components for the purpose of alleviating our nation's total dependence on foreign oil and economic domination
AREAS OF INTEREST: active dispersed solar, heat reclamation
THINGS THEY DO: have over 400 systems installed, about half in domestic hot water, the rest in space heating systems--divided between residential and commercial; manufacture, installations are made through distributor network
SERVICES: working on Virginia Solar Energy Association Project Directory
PUBLICATIONS: directory will be available in March/April 1980 for $2

VIRGINIA SOLAR COUNCIL(VSC)

P. O. Box 453
Vienna, Virginia 22180
(please write)

CONTACT: Mary Meredith, Janet Dierker
ORGANIZATION SIZE: 1 paid part-time, volunteers
TYPE OF ORGANIZATION: citizen group, nonprofit, public research and education
PURPOSE & GOALS: developing a broad coalition to explore the potential for and lay the groundwork for a renewable energy plan for Virginia through public education and networking
AREAS OF INTEREST: renewable energy sources, solar, utilities, oil/natural gas, nuclear power(anti)
THINGS THEY DO: public research and education on renewable sources for Virginia, networking, referrals to equipment suppliers; will be trying to develop a People's Energy Plan for Virginia
SERVICES: various speakers and literature on renewable energy, referrals

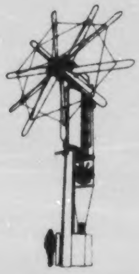
VIRGINIA STATE OFFICE OF EMERGENCY AND ENERGY SERVICES

310 Turner Road
Richmond, Virginia 23225
(804) 745-3245

CONTACT: Dr. Temple Bayliss, Director
Portie Weston, Deputy Director
ORGANIZATION SIZE: thirty
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to keep Secretary of Transportation informed on latest energy developments; to develop and implement energy conservation programs for the state; to distribute energy information

AREAS OF INTEREST: conservation, energy sources in Virginia
THINGS THEY DO: develop a state conservation plan
SERVICES: demonstration projects, conferences, workshops, toll-free energy hotline, exhibits, literature (available to the public statewide)

Washington



COMMUNITY SERVICES ADMINISTRATION-REGION X

1321 Second Avenue
Seattle, Washington 98101
(206) 442-7194

CONTACT: Rolf B. Gruen, Energy Coordinator
ORGANIZATION SIZE: one staff member
annual budget--varies
TYPE OF ORGANIZATION: federal agency
PURPOSE & GOALS: to administrate the federally-funded poverty program which includes a home weatherization and energy conservation program
AREAS OF INTEREST: conservation
SERVICES: will answer information requests from the public

Ecotope Group

2332 East Madison • Seattle, WA 98112
(206) 322-3753

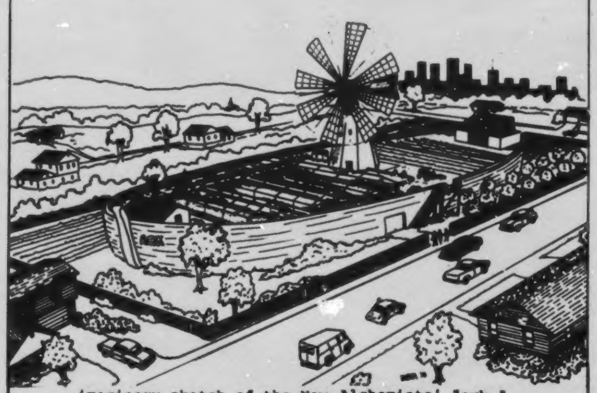
CONTACT: Belinda Boulter
ORGANIZATION SIZE: 20
annual budget-$250,000
TYPE OF ORGANIZATION: nonprofit research, education and demonstration
PURPOSE & GOALS: to encourage rational use of energy; to demonstrate the feasibility of appropriate technologies
AREAS OF INTEREST: Pacific Northwest applications of appropriate technology, bioconversion, wind, solar

THINGS THEY DO: built and researched methane generator, parabolic aquaculture/greenhouse system; several solar greenhouses, solar hot water workshops; policy input and analysis; solar water heating experiments, solar training curricula
SERVICES: energy resource library, demonstration projects, networking, residential solar design, feasibility studies, consulting($35/hr.), speakers ($25/hr., $50 minimum), solarization/weatherization training
PUBLICATIONS: how-to manuals for solar greenhouses and domestic solar hot water; technical reports on anaerobic digestion and greenhouse research

ENERCON SOLAR DESIGN & DISTRIBUTING

2300 S. 118th
Seattle, Washington 98168
(206) 244-9082

CONTACT: Tim Hayes
ORGANIZATION SIZE: four
annual budget-$200,000
TYPE OF ORGANIZATION: retailer, wholesaler, designer
PURPOSE & GOALS: EnerCon is dedicated to the use of renewable resources such as solar, wind, biomass, hydroelectric, etc. and the practical implementation of all appropriate technologies
AREAS OF INTEREST: wood, alcohol fuels, hydroelectric, passive and active solar, photovoltaics
THINGS THEY DO: design and installation of over 100 solar installations involving the heating of residences, hot water, swimming pools and a 144-unit condominium; has trained installers; offers a complete installation manual; wholesales solar components to over 42 dealers in the Pacific Northwest
SERVICES: solar consulting; system design(approx.$500 per residence); slide presentations; exhibits, workshops(twice a year for do-it-yourselfers)
PUBLICATIONS: installation manual(for using SolaRoll® for both passive and active space heating, cooling and hot water---includes radiant floor coil heating applications, solar swimming pools, solar lighting and more--$6); blueprints for each system



imaginary sketch of the New Alchemists' "ark."
RMT Art Department/Jack Shepherd

INFORMATION AND REFERRAL SERVICE (W.C.O.C.)

Box 159
Bellingham, Washington 98225
(206) 734-6202

CONTACT: Susan Doff, Coordinator
ORGANIZATION SIZE: five
annual budget-$28,000
TYPE OF ORGANIZATION: Community Action program
PURPOSE & GOALS: to offer information on human resources, and to cut red tape in the process of getting people to the services they need
AREAS OF INTEREST: needs of the low income
SERVICES: consulting, workshops and training, free information on a regional basis
PUBLICATIONS: "Human Resources Directory" (1978)

LOWER COLUMBIA COMMUNITY ACTION COUNCIL, INC.

1516 Hudson-P. O. Box 2126
Longview, Washington 98632
(206) 425-3430

CONTACT: June Kraushaar, Shereé Gano
ORGANIZATION SIZE: 54(approx.)
TYPE OF ORGANIZATION: government agency
PURPOSE & GOALS: to help low-income senior citizens with weatherizing their homes; have nutrition meals, transportation, battered women, displaced homemakers, anything pertaining to problems of the low-income and senior population
AREAS OF INTEREST: wood, utilities, oil/natural gas
THINGS THEY DO: are working with the Washington State P.O.W.E.R.(People's Organization for Washington Energy Resources), trying to inform and educate people on energy conservation
SERVICES: workshops, consulting in all programs

META PUBLICATIONS

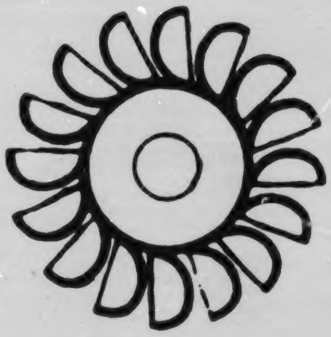
P. O. Box 128P, Old Cascade Road
Marblemount, Washington 98267
(206) 873-4303

CONTACT: Daniel A. Huntington
Sarah J. Huntington
ORGANIZATION SIZE: two
TYPE OF ORGANIZATION: bookseller
PURPOSE & GOALS: to serve as a central source for worldwide published materials on appropriate technology, alternative sources of energy-especially hard-to-get works in the U.S.
AREAS OF INTEREST: small-scale low impact technology applications in all forms of energy production, conservation and use; construction, cottage industries, farming, food processing, transportation, nutrition and health care
THINGS THEY DO: sell books and plans to individuals, organizations and libraries
SERVICES: mail-order bookhouse, will search for works in print
PUBLICATIONS: books in appropriate technology fields; send for free price list/catalog

SMALL HYDROELECTRIC SYSTEMS & EQUIPMENT

15220 S.R. 530 (mail only)
Arlington, Washington 98223
(206) 435-3148

CONTACT: Bill Kitching
ORGANIZATION SIZE: seven
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to research, develop, worldwide, better, lower in cost, small scale hydroelectric equipment that could compete with diesel electric sets; first aim was to provide findings to people worldwide so they could share information
AREAS OF INTEREST: wind(for water pumping), hydroelectric, geothermal
THINGS THEY DO: world leaders in small scale hydro design technology; working on direct conversion electric; power direct from jet of water (no turbine, no alternator); mfg. "PelTech" water turbines
SERVICES: design, plans
PUBLICATIONS: articles(Popular Science-May '77; Popular Science-June '78); Harnessing Water Power for Home Energy(Gardenway Publishing, Charlotte, VT); Organic Gardening & Farming-June '78; Small Scale Hydroelectric Guide(their own-$3)



West Virginia

SOLAR AGE PRESS/DISTRIBUTORS

Indian Mills, West Virginia 24949
(no phone)

CONTACT: Jack Frazier
ORGANIZATION SIZE: one staff member
TYPE OF ORGANIZATION: publisher/distributor on energy and related issues
PURPOSE & GOALS: to publish and distribute books, magazine, pamphlets, etc. on sound ecology, alternative energy and natural fibers
AREAS OF INTEREST: coal seam methane for automobile fuel and other applications

THINGS THEY DO: distribution; extensive research on flax and hemp as a raw material to replace unecological chemical-wood pulp as a paper source; planning to run an alternative bookmobile for the Appalachian region
SERVICES: speaker, workshops, demonstration projects organized, consulting($100/day plus expenses), book distribution

WEST VIRGINIA FUEL AND ENERGY OFFICE

1262½ Greenbriar Street
Charleston, West Virginia 25311
(304) 348-8860

CONTACT: Jeff Herholdt
ORGANIZATION SIZE: seventeen
TYPE OF ORGANIZATION: state agency
PURPOSE & GOALS: to administer the Mandatory Allocation Program for petroleum products; to encourage conservation of fossil fuels and other energy resources; to implement a wide variety of energy resource development programs
AREAS OF INTEREST: fossil fuels, conservation, methane utilization and coal utilization, solar
THINGS THEY DO: sponsor a film loan program for schools; referral service for poor needing help with utility bills; a locator service for home heating coal; planning conference to encourage procurement of energy efficient products; plan series of energy workshops and symposiums for teachers; data development; policy recommendation
SERVICES: literature, films, workshops(at cost), speakers(free), consulting
PUBLICATIONS: monthly newsletter; West Virginia Solar Energy Directory(upcoming)

JUD WHITFORD *

Rt. 1, Box 272
Alderson, West Virginia 24910
(304) 445-7118

TYPE OF ORGANIZATION: private citizen interested in alternate sources of energy
AREAS OF INTEREST: conservation, wood, wind
THINGS HE DOES: willing to demonstrate the power of wind systems and will set up samples(locally), will assist those interested in finding alternative sources of energy; has installed a 12-volt wind generator(in use for two years); wants to use wood for heating and cooking and is building woodburning heater and stove
SERVICES: will send information and help on alternative energy sources, especially wind power for a SASE

Wisconsin

CITIZENS FOR TOMORROW, INC.

R. 1, B. 191
Rock Falls, Wisconsin 54764
(715) 672-5746

CONTACT: above
TYPE OF ORGANIZATION: citizen group-farmers
PURPOSE & GOALS: to stop the Tyrone nuclear plant and the 345kV lines
AREAS OF INTEREST: wind, wood, passive and active solar, containment of nuclear wastes(who pays and what state gets them)
THINGS THEY DO: got a senator and a representative to testify at hearings on Tyrone
SERVICES: participate in Badger Safe Energy Alliance

COUNTRYSIDE MAGAZINE *

Route One, Highway 19 East
Waterloo, Wisconsin 53594
(414) 478-2118

CONTACT: Jerome Belanger, Editor/Publisher
Lea Landmann, Executive Editor
ORGANIZATION SIZE: thirteen
annual budget-$500,000
TYPE OF ORGANIZATION: publishing firm and information specialists
PURPOSE & GOALS: dissemination of practical information and news if the field of bio-agriculture, through news releases and pamphlets
AREAS OF INTEREST: solar, wind, wood, bioconversion, solid wastes, conservation, fossil fuels
THINGS THEY DO: operate an experimental farm to study the impact of transition from a chemical form of agriculture to an organic mode; try to reach more farmers through magazine articles geared to them
SERVICES: consulting, referrals, literature, technical studies, speakers, library
PUBLICATIONS: "Countryside Magazine"(monthly magazine $9/year), pamphlets, question and answer section

DGC INTERNATIONAL

P. O. Box 1446
Fond du Lac, Wisconsin 54935

CONTACT: William U. Hensel IV, President
ORGANIZATION SIZE: executive staff
TYPE OF ORGANIZATION: marketer in specialized shelter systems
PURPOSE & GOALS: to provide better, more efficient shelter to the general housing market, including low-moderate income and special needs groups such as the handicapped

AREAS OF INTEREST: shelter maintenance/operation energy
THINGS THEY DO: distribute and market their DOME home components in North and South America
SERVICES: demonstration projects, workshops, exhibits, speakers

GREENBRIAR PRODUCTS, INC. *

Box 473
Spring Green, Wisconsin 53588
(608) 588-2923

CONTACT: Frank O. Leach, President
Christopher Dyer, Plant Manager
ORGANIZATION SIZE: seven
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to research and develop high-efficiency woodburning equipment and components for interfacing existing hydronic or solar heating systems with wood-heating equipment
AREAS OF INTEREST: wood energy
THINGS THEY DO: manufacture the Greenbriar Fireplace/Stove and optional outside combustion air intakes, pyrex glass door and complete hydronic heat exchanger to fit the Greenbriar unit
SERVICES: consulting and referrals($20/hour), answer informational requests; send brochures on their equipment

KICKAPOO STOVE WORKS LTD.

Main Street
LaFarge, Wisconsin 54639
(608) 625-4431

CONTACT: George C. Wilbur or Bill Gregersen
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: to manufacture and distribute wood stoves and furnaces
AREAS OF INTEREST: wood energy, hydroelectric
PUBLICATIONS: product literature

LAND, INC.(LEAGUE AGAINST NUCLEAR DANGERS, INC.)

Route 1
Rudolph, Wisconsin 54475
(715) 423-7996

CONTACT: Naomi Jacobson, Co-Chariman
Mike Hittner, Co-Chariman
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to educate citizens, legislators, students about the concern of nuclear power plant proliferation and its dangers
AREAS OF INTEREST: anti-nuclear and all alternatives
THINGS THEY DO: research, speak, reprint materials
SERVICES: newsletter, reprint articles, speakers, collect signatures for Clean Energy Petition, library, research on radiation in food, to workers, cancer incidence, and emergency evacuation planning; part-owners of "Danger-Radioactive Wastes" and "Paul Jacobs and the Nuclear Gang"; films made available at no charge to schools and groups in the area
PUBLICATIONS: research papers($2-5) on hazards of nuclear power; information packet(about 75 items-$3); LAND/LEAF newsletter($5)

LAND EDUCATIONAL ASSOCIATES FOUNDATION(LEAF)

3368 Oak Avenue
Stevens Point, Wisconsin 54481
(715) 344-6158

CONTACT: Gertrude Dixon
ORGANIZATION SIZE: five part-time, hundreds of members
TYPE OF ORGANIZATION: citizen group
PURPOSE & GOALS: to do research on nuclear power; to educate people about nuclear power, particularly at the grassroots level
AREAS OF INTEREST: all alternatives, anti-nuclear, utilities, oil/natural gas
THINGS THEY DO: publish and distribute their own and other's articles; research
SERVICES: speakers--on radiation, evacuation, economics
PUBLICATIONS: "Methodologies for the Study of Low-Level Radiation in the Midwest" by Dr. Charles W. Huver and LEAF research team($5.50 postpaid); "Nuclear Waste: The Time Bomb in our Bones" (a summary of the above book--$1.25)

WILLIS & LILLIAN LEENHOUTS, FAIA, ARCHITECTS

3332 N. Dousman Street
Milwaukee, Wisconsin 53212
(414) 964-1204

CONTACT: Lillian S. Leenhouts, FAIA
ORGANIZATION SIZE: varies-2-6
annual budget-varies
TYPE OF ORGANIZATION: architects
PURPOSE & GOALS: to design all types of buildings with consideration for the environment making the most efficient and economical use of solar, prevailing winds, constant earth temperature, berming and landscaping protection; passive solar given first priority
AREAS OF INTEREST: wind, wood, passive and active dispersed solar, geothermal

THINGS THEY DO: nearly all jobs in the last 34 years have been passively oriented; finishing a round and a long residence of total cost of over $300, 000 which have active solar collectors as well as passive aspects
SERVICES: architectural plans and services in solar; solar consulting, solar lectures, slide shows; working with neighborhood group; exhibits; have worked with New Western Energy Show
PUBLICATIONS: authored one chapter in Regional Guidelines for Building Passive Energy Conserving Homes(from U.S.Government Printing Office, Washington, D.C. 20402-$5.25)

NORTHERN THUNDER

22½ South Barstow
Eau Claire, Wisconsin 54701
(715) 835-2672

CONTACT: Will Fantle, Tom Calazen
ORGANIZATION SIZE: all volunteer
annual budget-$2,500
TYPE OF ORGANIZATION: community group
PURPOSE & GOALS: to help replace profit-making institutions with community and publically-owned and controlled resources, utilities, factories, all at a decentralized level
AREAS OF INTEREST: solid waste, anti-nuclear, energy policy, solar, hydroelectric
THINGS THEY DO: public information on energy issues; work with citizens on mining issues; ran local bottle bill referendum; acid rain task force
SERVICES: speakers, workshops, exhibits, lobbying, planning
PUBLICATIONS: newsletter--Hard Rain($6/yr.)

SOLAR OFFICE

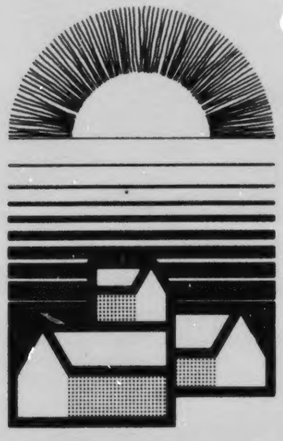
State Solar Coordinator
Division of State Planning and Energy
Room 201, One West Wilson
Madison, Wisconsin 53702
(608) 266-9861

CONTACT: Bonnie Albright
TYPE OF ORGANIZATION: government agency
PURPOSE & GOALS: planning and coordinating energy policy
AREAS OF INTEREST: all kinds of energy, both conventional and alternative

SUN STONE COMPANY, INC.

P. O. Box 138
Baraboo, Wisconsin 53913
(608) 356-7744

CONTACT: Chris Anderson, President
ORGANIZATION SIZE: 25 dealers
TYPE OF ORGANIZATION: manufacturer
PURPOSE & GOALS: solar energy equipment development; manufacturing and marketing of solar equipment
AREAS OF INTEREST: manufacturing, marketing, new product development; dealership expansion
THINGS THEY DO: market flat plate, air-type solar collectors; train dealers
SERVICES: speakers, consulting, sizing systems, design
PUBLICATIONS: product brochures



UNIVERSITY OF WISCONSIN-EXTENSION DEPARTMENT OF ENGINEERING & APPLIED SCIENCE

432 North Lake Street
Madison, Wisconsin 53706
(608) 262-2061

CONTACT: Mrs. Sue Boyd
TYPE OF ORGANIZATION: university extension service which conducts courses and institutes as well as offering correspondence courses by printed matter and video-tape
PURPOSE & GOALS: to provide continuing education for engineers and architects-Professional Development degree program as well as Energy Management Certification Program
AREAS OF INTEREST: courses in solar, wood utilization, utility planning, conservation, life-cycle costing, energy policy-over 50 per year in energy
THINGS THEY DO: as above; individual faculty participate in professional activities and offer advice and consultation,energy audits, energy management
SERVICES: educational courses on a fee basis
PUBLICATIONS: catalog, individual course brochures-free

WEST-CAP(WEST CENTRAL WISCONSIN COMMUNITY ACTION AGENCY)

525 Second Street
Glenwood City, Wisconsin 54013
(715) 265-4271

CONTACT: David Hewitt
ORGANIZATION SIZE: 65
annual budget-$1.1 million
TYPE OF ORGANIZATION: community action agency
PURPOSE & GOALS: to assist low-income families by reducing dependency on fossil fuels; to provide information and demonstrations to encourage energy conservation and use of renewable energy resources

AREAS OF INTEREST: wind, wood, alcohol fuels, passive and active dispersed solar, utilities, conservation and education
THINGS THEY DO: weatherization/energy conservation; wood stoves--sell and finance wood stoves; solar-build and install solar collectors and greenhouses including training 24 people as installers; conferences, workshops, technical assistance and training in above and underground housing, wind and alcohol; computerized energy audits
SERVICES: speakers, slide shows, demonstration projects, greenhouse and solar collector workshops, resource library, limited consulting
PUBLICATIONS: "Northern Solar Power"--do-it-yourself warm air domestic water solar system($2, 1978), "Energy Conservation Evaluation"--evaluation of CAA weatherization programs($3, 1977), "Bibliography of Alternate Energy"--annotated(25¢, 1978), "Home Energy Survey Project"--computerized energy audit and consumer information($10/audit, booklet free)

WINDWORKS *

Box 44A
Rt. 3
Mukwonago, Wisconsin 53149
(414) 363-4088

CONTACT: Ron Couchman
ORGANIZATION SIZE: fifteen
TYPE OF ORGANIZATION: research, design, testing, consulting, manufacturing
AREAS OF INTEREST: wind energy
THINGS THEY DO: known for their Gemini Synchronous Inverter(channels excess home electricity to utility and taps utility when there is no wind); operate test wind generators; designing and building 8kw wind prototype system
SERVICES: consulting, design, speakers, demonstration projects, workshops
PUBLICATIONS: Wind Energy Chart($3.25), bibliography of wind energy research($3)

WISCONSIN ASSOCIATION FOR ENVIRONMENTAL EDUCATION, INC. *

125 West Kohler Street
Sunprairie, Wisconsin 53702
(608) 837-8176

CONTACT: David C. Engleson, Executive Secretary
ORGANIZATION SIZE: no paid staff
annual budget-$1500
TYPE OF ORGANIZATION: educational
PURPOSE & GOALS: to promote environmental education in Wisconsin and the nation
AREAS OF INTEREST: all fields of energy; promotion of energy education
THINGS THEY DO: hold annual conferences; regional conferences
SERVICES: workshops, exhibits, informational requests answered
PUBLICATIONS: newsletter-send for information

Wyoming

HIGH COUNTRY NEWS *

Box K
Lander, Wyoming 82520
(307) 332-4877

ORGANIZATION SIZE: six
annual budget-$40,000
TYPE OF ORGANIZATION: regional newspaper
PURPOSE & GOALS: to spread environmental news of the Rockies and northern Great Plains to as wide an audience as possible; alternative energy is one area covered
AREAS OF INTEREST: all forms of energy; Indian rights, wilderness, land management
THINGS THEY DO: report and spread the information they gather; e.g. solar products listed, wind energy
PUBLICATIONS: tabloid newspaper, biweekly ($12/yr.)

Addenda

HEALTH & ENERGY LEARNING PROJECT (HELP)

520 Butternut Street, N.W.
Washington, D.C. 20012

CONTACT: Ada Sanchez, Mary Meredith, Kitty Tucker
TYPE OF ORGANIZATION: resources group
PURPOSE & GOALS: to provide speakers and information to organizations not yet concerned with the problems of ionizing radiation effects from nuclear power, routine medical examinations, and industry
AREAS OF INTEREST: low-level ionizing radiation

THINGS THEY DO: will provide a variety of learning resources to raise awareness of the broad range of environmental, social, ethical and economic impacts resulting from choices of energy and health technologies; educational outreach(to nurses, high school science teachers, professional journalists
SERVICES: speakers and speakers bureau, literature, seminars

SOLARVISION, INC.

One Church Hill
Harrisville, New Hampshire 03450
(603) 827-3347

CONTACT: Michelle Butinsky
ORGANIZATION SIZE: thirteen
TYPE OF ORGANIZATION: publisher
PURPOSE & GOALS: to provide practical information on renewable energy use
AREAS OF INTEREST: active and passive solar applications for space heating and hot water, photovoltaics, greenhouses, wind and wood energy, architectural and engineering designs, conservation
THINGS THEY DO: publish international magazine, two catalogs, solar specifications with bimonthly updates
SERVICES: information
PUBLICATIONS: Solar Age Magazine(monthly, $18/1 yr., $32/2 yrs., $42/3 yrs.); Solar Age Resource Book (1979, 256 pages, $9.95); Solar Age Catalog (1977, 232 pages, $8.50); Solar Products Specifications Guide(500 pages, updated bimonthly, $165 including first year of updates)

A.1

STATE ENERGY OFFICES

Alabama: Energy Management Board, 3734 Atlanta Highway, Montgomery 36130 (202-832-5010); Public Service Commission, P.O. Box 991, Montgomery 36102

Alaska: State Energy Office, Mackay Building--7th floor, 338 Denali Street, Anchorage 99501; Public Utilities Commission, 1100 MacKay Building, 338 Denali Street, Anchorage 99501

Arizona: Solar Energy Research Commission, 1700 West Washington, Room 502, Phoenix 85007, (602-271-3682); Corporation Commission, 1688 West Adams, Room 216. Phoenix 85007

Arkansas: State Energy Office, Commerce Department, 960 Plaza West Building, Little Rock 72205; Public Service Commission, Justice Building, Little Rock 72201

California: Energy Resources Conservation & Development Commission, 1111 Howe Avenue, Sacramento 95825; Public Utilities Commission, California State Building, 350 McAllister Street, San Francisco 94102

Colorado: Office of Energy Conservation, 1410 Grant Street, Suite B104, Denver 80203 (303-839-2507); Public Utilities Commission, 500 Columbine Building, 1845 Sherman Street, Denver 80203

Connecticut: Department of Planning & Energy Policy, 20 Grand Street, Hartford 06115; Public Utilities Commission, State Office Building, 165 Capitol Ave., Hartford 06115

Delaware: Governor's Energy Office, Townsend Building, P.O. Box 1401, Dover 19901; Public Service Commission, Old State House Annex, Dover 19901

District of Columbia: Energy Unit, c/o Office of Planning & Development, 1420 New York Ave., N.W., #200, 20005; Public Service Commission, 1625 "I" Street, N.W., Washington 20005

Florida: State Energy Office, 301 Bryant Building, Tallahassee 32304 (904-488-6764); Public Service Commission, 700 South Adams Street, Tallahassee 32304

Georgia: Office of Energy Resources, 270 Washington Street, S.W., Suite 615, Atlanta 30334; Public Service Commission, 162 State Office Building, 244 Washington Street, S.W., Atlanta 30334

Hawaii: Department of Planning & Economic Development, P.O. Box 2359, Honolulu 96804; Public Utilities Commission, P.O. Box 541, Honolulu 96809

Idaho: Office of Energy, State Capitol, Boise 83720; Public Utilities Commission, Statehouse, Boise 83720

Illinois: Division of Energy, Department of Business & Economic Development, 222 South College Avenue, Springfield 62706; Commerce Commission, Leland Building, 527 East Capitol Avenue, Springfield 62706

Indiana: Energy Office, Consolidated Building, 7th fl., 115 North Pennsylvania, Indianapolis 46204; Public Service Commission, 901 State Office Building, Indianapolis 46204

Iowa: Energy Policy Council, 215 East 7th, Des Moines 50319; State Commerce Commission, State Capitol, Des Moines 50319

Kansas: Energy Office, 503 Kansas Avenue, Room 241, Topeka 66603; State Corporation Commission, State Office Building, Topeka 66612

Kentucky: Department of Energy, Capitol Plaza Tower, Frankfort 40601; Public Service Commission, P.O. Box 496, Frankfort 40601

Louisiana: Energy Division of LA, Research & Development, Division of Natural Resources, P.O. Box 44156, Baton Rouge 70804; Public Service Commission, P.O. Box 44035, Capitol Station, Baton Rouge 70804

Maine: Office of Energy Resources, 55 Capitol Street, Augusta 04333; Public Utilities Commission, State House Annex, Capitol Shopping Center, Augusta 04330

Maryland: Energy Policy Office, 301 West Preston St., Suite 1302, Baltimore 21201; Public Service Commission, 904 State Office Building, 301 West Preston Street, Baltimore 21201

Massachusetts: Energy Policy Office, 73 Tremont Street, Suite 700, Boston 02108; Department of Public Utilities, 100 Cambridge Street, Boston 02202

Michigan: Energy Administration, Law Building, 4th fl., Lansing 48913; Public Service Commission, Law Building, fifth floor, 525 West Ottawa St., Lansing 48913

Minnesota: Energy Agency, 9th fl., American Center Building, 150 East Kellogg Blvd., St. Paul 55101; Public Service Commission, American Center Building, 7th fl., Kellogg & Robert Sts., St. Paul 55101

Mississippi: Energy Office, 1307 Woolfolk State Office Building, Jackson, MS 39202; Public Service Commission, 19th fl., Walter Sillers State Office Building, P.O. Box 1174, Jackson 39205

Missouri: Energy Agency, P.O. Box 176, 1014 Madison Street, Jefferson 65101; Public Service Commission, Jefferson Building, Jefferson City 65101

Courtesy of the International Cartoon Festival of Bordihgera, Italy

Montana: Energy Office, Capitol Station, Helena 59601; Public Service Commission, 1227 - 11th Avenue, Helena 59601

Nebraska: State Energy Office, 301 Centennial Mall, Lincoln 68509; Public Service Commission, 1342 "M" Street, 3rd fl., Lincoln 68508

Nevada: Department of Energy, 1050 East William, Suite 405, Carson City, NV 89701; Public Service Commission, 222 E. Washington St., Carson City 89701

New Hampshire: Energy Office, 26 Pleasant Street, 3rd fl., Concord 03301; Public Utilities Commission, 26 Pleasant Street, Concord 03301

New Jersey: State Energy Office, 101 Commerce Street, Newark 07102; Board of Utility Commissioners, 101 Commerce Street, Newark 07102

New Mexico: Energy Resources Board, P.O. Box 2770, Santa Fe 87503; Public Service Commission, State Capitol Building, Santa Fe 87501

New York: Energy Office, Agency Building 2, Empire State Plaza, Albany 12223; Public Service Commission, 44 Holland Avenue, Albany 12208

North Carolina: Energy Policy Council, P.O. Box 25249, 215 East Lane, Raleigh 27611; Utilities Commission, P.O. Box 991, Raleigh 27602

North Dakota: Energy Office, 1533 North 12th Street, Bismarck 58501; Public Service Commission, State Capitol Building, Bismarck 58501

Ohio: Department of Energy, 30 East Broad Street, 34th floor, Columbus 43215; Public Utilities Commission, 111 North High Street, Columbus 43215

Oklahoma: Department of Energy, 4400 North Lincoln Boulevard, Suite 251, Oklahoma City 73105; Corporation Commission, Jim Thorpe Office Building, Oklahoma City 73105

Oregon: Department of Energy, Labor & Industries Building, Room 111, Salem 97310; Public Utility Commissioner, Labor & Industries Building, Salem 97310
Pennsylvania: Energy Office, 12th floor State Office Building, 500 North 3rd St., Harrisburg 17101; Public Utility Commission, P.O. Box 3265, Harrisburg 17120
Rhode Island: State Energy Office, 80 Dean Street, Providence 02903; Public Utilities Commission, 169 Weybossett Street, Providence 02903
South Carolina: Energy Management Office, 1205 Pendleton, Columbia 29201; Public Service Commission, P.O. Box 11649, Columbia 29211
South Dakota: Office of Energy Policy, Anderson Building, Pierre 57501; Public Utilities Commission, Capitol Building, Pierre 57501
Tennessee: Energy Office, 250 Capitol Hill Building, Nashville 37219; Public Service Commission, C1-102 Cordell Hull Building, Nashville 37219
Texas: Governor's Energy Office, 7703 North Lamar, Rm. 502, Austin 78752; Railroad Commission. Drawer 12967 Capitol Station, Austin 78711
Utah: Energy Office, 455 East 4th South, Suite 303, Salt Lake City 84111; Public Service Commission, 330 East Fourth South St., Salt Lake City 84111
Vermont: State Energy Office, Pavillion Building, 5th floor, Montpelier 05602; Public Service Board, 120 State Street, State Office Building, Montpelier 05602
Virginia: Energy Office, 823 East Main Street, Richmond 23228; State Corporation Commission, Blanton Building, P.O. Box 1197, Richmond 23209
Washington: State Energy Office, 400 East Union, 1st floor, Olympia 98504; Utilities & Transportation Commission, Highways-Licenses Building, Olympia 98504
West Virginia: Fuel & Energy Office, 1262 Greenbrier Street, Charleston 25311; Public Service Commission, Room E-217, Capitol Building, Charleston 25305
Wisconsin: Office of State Planning & Energy, P.O. Box 511, Madison 53701; Public Service Commission, 432 Hill Farms State Office Building, Madison 53702
Wyoming: Energy Conservation Office, 320 West 25th Street, Cheyenne 82002, Public Service Commission, Supreme Court Building, Cheyenne 82001
Puerto Rico: Office of Energy, P.O. Box 41089, Minillas Station, Santurce 00940; Public Service Commission, P.O. Box 4527, San Juan 00936

ALCOHOL FUELS

NEWSLETTERS & PERIODICALS

(1) "Gasohol U.S.A. Journal" -- c/o Gasohol U.S.A., P.O. Box 9547, Kansas City, MO 64133
(2) "Gasohol Newsletter" -- c/o Congressman Berkeley Bedell, U.S. House of Representatives, #405, Washington, D.C. 20515
(3) "Biomass Refining Newsletter" -- c/o Dr. Larry J. Douglas, Solar Energy Research Institute, 1617 Cole Boulevard, Golden, CO 80401
(4) "Small Farm Energy Project Newsletter" -- Center for Rural Affairs, P.O. Box 736, Hartington, NE 68739
(5) "Bio-Times Newsletter" -- International Biomass Institute, 1522 "K" Street, N.W., Suite #600, Washington, D.C. 20005
(6) "Alternative Fuels Utilization Report" -- U.S. Department of Energy, Division of Transportation Energy Conservation, Washington, D.C. 20585
(7) "The Mother Earth News" -- c/o The Mother Earth News, P.O. Box 70, Hendersonville, N.C. 28739
(8) "AG ENERGY Newsletter" -- P.O. Box 9498, Minneapolis, MN 55440
(9) "AA News" -- P.O. Box 100, Iredell, Texas 76649

BOOKS & REPORTS

CONGRESSIONAL REPORTS & HEARINGS:

(1) "Economic Feasibility of Gasohol" -- Subcommittee on Agricultural Research and General Legislation of the Committee on Agriculture, Nutrition, and Forestry, U.S. Senate, Washington, D.C. 20510 (12/12/77)
(2) "Biomass Conversion" -- Subcommittee of the Committee on Government Operation, U.S. House of Representatives, Washington, D.C. 20515 (4/15/78)
(3) "Alcohol Fuels" -- Subcommittee on Advanced Energy Technologies and Energy Conservation Research, Development, and Demonstration of the Committee on Science & Technology; U.S. House of Representatives, Washington, D.C. 20515 (7/11-13/78)
(4) "Alcohol Fuels" -- Committee on Appropriations, U.S. Senate, WAshington, D.C. (1/31/78)
(5) "The Gasohol Motor Fuel Act of 1978" -- Subcommittee on Energy Research and Development of the Committee on Energy & Natural Resources, U.S. Senate, Washington, D.C. 20510 (8/7-8/78)
(6) "Gasohol--A Technical Memorandum" -- the Congress' Office of Technology Assessment; available from the U.S. Government Printing Office, Washington, D.C. 20402 (#052-003-00706-1, $3.50; 9/79)

FEDERAL AGENCY PUBLICATIONS:

(1) "Comparative Economic Assessment of Ethanol From Biomass" -- the Mitre Corporation for the U.S. Department of Energy, Division of Solar Technology; available from NTIS, 5285 Port Royal Road, Springfield, VA 22161 ($7.25, 126 pp) #HCP/ET-2854
(2) "Comparative Automotive Engine Operation When Fueled With Ethanol and Methanol" -- the University of Santa Clara for the U.S. Department of Energy, Office of Conservation & Solar Applications (5/78); available from the U.S. Government Printing Office, Washington, D.C. 20402 (#061-000-00074-7)
(3) "Ethyl Alcohol for Fuel Use" -- the Bureau of Alcohol, Tobacco, & Firearms, U.S. Department of the Treasury, 1200 Pennsylvania Avenue, N.W., Washington, D.C. (1978)
(4) "The Report of the Alcohol fuels Policy Review" -- U.S. Department of Energy, Assistant Secretary for Policy Evaluation, Washington, D.C. 20585; available from NTIS ($6, 6/79; #DOE/PE-0012)
(5) "Fuel From Farms--A Guide to Small-Scale Ethanol Production" -- Solar Energy Information Data Bank, available from the Solar Energy Research Institute, Document Distribution Service, 1617 Cole Blvd., Golden, CO 80401
(6) "Alcohol Fuels Information Directory" -- Bureau of Alcohol, Tobacco, and Firearms; request publication 5000.3 from ATF Distribution Center, 3800 S. Four Mile Run Drive, Arlington, VA 22026
(7) "Alcohol Fuels: Citations from the NTIS Data Base" -- Diane M. Cavagnaro; published by the NTIS, 5285 Port Royal Road, Springfield, VA 22161 (187 pp, '78, $28.00)
(8) "Gasohol" -- Energy Research Advisory Committee of the U.S. Department of Energy (attn: Gasohol Study Group);. available from the U.S. DOE, Washington, D.C. 20585 (5/80, 35 pages, free)

GENERAL READING:

(1) "Annotated Bibliography on Alcohol Fuels -- Scott Sklar; available from Selwyn Roberts Publications,

153 East 116 Street, New York, N.Y. 10029 (1978, 250 pages, $16.75)

(2)"Alcohol Fuels--An Annotated Bibliography" -- free of charge from the National Center for Appropriate Technology, P.O. Box #3838, Butte, MT 59701 ('79)

(3) "Methanol & Other Ways Around the Gas Pump" -- John Lincoln Ware; available from Garden Way Publishing, Charlotte, VT 05445 (1976, 135 pages, $4.95)

(4) "The Foxfire Book" -- Elliott Wigginton; available from Anchor Books/Doubleday, 501 Franklin Avenue, Garden City, N.Y. 11530 ($4.95)

(5) "A Learning Guide for Alcohol Fuel Production" -- National Alcohol Fuel Producers Association; 2444-B Street, Lincoln, NE 68502 ($75, 1979)

(6) "Prosperity Beckons--The Dawn of the Alcohol Era" -- William J. Dale; available from RUTAN Publishing, P.O. Box 3585, Minneapolis, MN 55403

(7) "Food or Fuel: New Competition for the World's Cropland" -- lester Brown, Worldwatch Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036 (1980, $2.00, 43 pages)

(8) "Making Alcohol Fuel: Recipe & Procedure" -- Lance Crombie; available from RUTNA Publishing, P.O. Box 3585, Minneapolis, MN 55403 ('79, 115 pp, $3.50)

OPEC
ALCOHOL FUELS

(9) "The Lore of Still Building" -- Gibat & Gibat; available from Micro-Tec Laboratories, Rt. 2, Box 19, Logan, Utah 51546 91978, 25 pp, $4.00)

(10) "Motor Fuels From Farm Products" -- P. Burke Jacobs and Harry P. Newton; available from the National Center for Appropriate Technology, P.O. Box 3838, Butte, MT 59701 (1938, 129 pages, $4.00)

(11) "Makin' It on the Farm" -- Micki Nellis; available from the American Agriculture Movement, P.O. Box 100, Iredell, TX 76649 ('79, 88 pp, $2.95)

(12) "Brown's Alcohol Motor Fuel" -- Michael H. Brown, available from Desert Publications, Cornville, AZ 86325 ('79, 140 pp, $6.95)

(13) "Forget the Gas Pumps--Make Your Own Fuel" -- Jim Wortham and Barbara Whitener; available from Love Street Books, P.O. Box 58163, Louisville, KY 40258 (1979, 84 pages, $3.95)

(14) "Making Fuel in Your Backyard" -- Jack Bradley; available from Biomass Resources, P.O. Box 2912, Wenatchee, WA 98801 ('79, 63 pp, $10.95)

(15) "Individual and Group Gasohol--Alcohol Fuel Production and Usages" -- edited by B.W. Kirby; available from AFTEC Books, 323 S. Ravenel Street, Columbia, S.C. 29205 (1979, 70 pp, $6.00)

(16) "Cellulose Conversion Handbook" -- M.J. Malachowski; available from P.O. Box 9315, Berkeley, CA 94709 (1980, 80 pages, $5.50)

(17) "Gasohol for Energy Production" -- Nicholas P. Cheremisinoff; available from Ann Arbor Science Publishers, P.O. Box 1425, Ann Arbor, MI 48106 ($14.95; 1979)

(18) "Gasohol: A Selected Bibliography" -- (100 abstracts, September 1979, $35) and "Gasohol Supplement" (further references since September 1979; $35); available from G.V. Olsen Associates, Agribusiness Intelligence, 170 Broadway, New York, N.Y. 10038; they also produce "Gasohol Update" which is a monthly update of references & abstracts ($70/year)

(9) "Draft Regulatory Analysis: Notice of Proposed Rulemaking for the Allocation and Pricing of Gasohol" by the U.S. Department of Energy's Economic Regulatory Administration (May 1980, 64 pages, $5.25); available from NTIS, 5285 Port Royal Road, Springfield, VA 22161 (report #DOE/RG-0032)

PARAPHENALIA:

(1) "Gasohol: Farmer's Premium Solar Fuel" -- a collection of hats, bumper stickers, pens, calling cards, and other items promoting gasohol, available from Tom House, L.T. Associates, Ltd., 6154 Olson Memorial Highway, Minneapolis, MN 55426 (write for prices)

ORGANIZATIONAL RESOURCES

FEDERAL GOVERNMENT RESOURCES:

(1) Senator Birch Bayh, Chairman; National Alcohol Fuels Commission, 363 Russell Senate Office Building, Washington, D.C. 20510; 202-224-5623

(2) William Holmberg; Office of Consumer Affairs, U.S. Department of Energy, Forrestal Building, 1000 Independence Avenue, Washington, D.C. 20585; 202-252-9633

(3) Ben Jackson, Deputy Asst. Administrator, Mobile Source & Noise Enforcement, EN 337, Environmental Protection Agency, 401 "M" Street, N.W., Washington, D.C. 20460; 202-755-2870

(4) E. Steven Potts, Acting Director, Office of Alcohol Fuels, U.S. Department of Energy, Forrestal Building, Washington, D.C. 20585

(5) National Alcohol Fuels Information Center, c/o Solar Energy Research Institute, 1617 Cole Boulevard, Golden, CO 80401; (toll-free phone: 1-800-525-5555)

(6) Alternative Fuels Data Bank; c/o Ken Stamper, Bartlesville Energy Technology Center, U.S. Department of Energy, Bartlesville, OK (918-336-2400; ext. 258; FTS #735-4258); this is a computerized system; access to its contents is possible if one has access to a computer terminal with an acoustical coupler to be used with commercial telephone lines

STATE GOVERNMENT RESOURCES:

(1) Assemblyman Daniel Boatwright, c/o California State Assembly, State House, Sacramento, CA 95814

(2) Charles L. Stone, Legislative Director, Synthetic Fuels Program, 1116 Ninth Street, #135, Sacramento, CA 95814 (916-445-7518)

(3) Edmund Reynolds, Chairman, State Gasohol Commission, Inc., 606 Island Avenue, McKees Rocks, PA 15136; 412-771-2614

(4) Bill Gibbs, Washington Gasohol Commission, 13851 Nile Road, Naches, WA 98937

(5) Charles R. Fricke, Administrator, Nebraska Gasohol Commission, 301 Centennial Mall South, 3rd floor, P.O. Box 94831, Lincoln, NE 68509

(6) Doug Getter/Carmen Rahe, Iowa Development Commission, 250 Jewett Building, Des Moines, Iowa 50309 (515-281-3036)

(7) Al Mavis, Illinois Department of Agriculture, Emerson Building--State Fairgrounds, Springfield, IL 62706 (217-782-6279)

CITIZEN GROUPS & PRIVATE ORGANIZATIONS:

(1) Dick Merritt, Alcohol Fuel Institute, 9400 Wisconsin Avenue, Bethesda, MD 20014 (301-897-5437)

(2) Holly Hodge, National Gasohol Commission, 521 South 14th Street, Suite #5, Lincoln, NE 68508

(3) The Bio-Energy Council, attn: Paul Bentee, 1337 Connecticut Avenue, N W #204, Washington, D.C.

(4) American Automobile Association, attn: Dick Curry/ Ray Daley, 8111 Gatehouse Road, Falls Church, VA 22042; 202-AAA-6308
(5) Scott Sklar, National Center for Appropriate Technology, P.O. Box 3838, Butte, MT 59701
(6) Malcolm Lillywhite, Domestic Technology Institute, P.O. Box 2043, Evergreen, CO 80439 (303-988-3054)
(7) Hal Bernton, c/o Jack Anderson's Office, 1401 16th Street, N.W., Washington, D.C. 20036 (202-332-1973)
(8) Don Smith, Renewable Ag Energy, 423 Smith Drive, Colby, KS 67701; 913-462-7171
(9) Alcohol Fuel Workshop Center, c/o Colby Community College, Box 686, Colby, KS 67701; 913-462-3984
(10) Felicity Majors, the WIFE Organization, Osceola, NE 68651
(11) Small Farm Energy Project, Center for Rural Affairs, P.O. Box 736, Hartington, NE 68739
(12) Iowa Corn Promotion Board, 200 West Towers, 1200 35th Street, West Des Moines, Iowa 50265; 515-225-9242
(13) Joel Alexander, Interim Director, Mississippi Gasohol Association, P.O. Box 1215, Jackson, MS 39205
(14) Colorado Gasohol Promotion Committee, 1525 Sherman, 4th floor, Denver, CO 80203, 303-829-3218
(15) National Alcohol Fuel Producers Association, 1700 S. 24th Street, Lincoln, NE 68502, 402-474-1977
(16) International Biomass Institute, attn: Darold Albright, Ex. Dir., 1522 "K" Street, N.W., Suite #600, Washington, D.C. 20005
(17) Brewers Grain Institute, attn: Henry B. King, President; 1759 "K" Street, N.W. (technical department) Washington, D.C. 20006
(18) National Council of Farm Coops, attn: Victoria Calvert, 1800 Massachusetts Avenue, N.W., #604, Washington, D.C. 20036
(19) Southwest Alabama Farmers Co-op, attn: Albert Turner, P.O. Box 95, Epes, AL 35460
(20) Iowa Farmers for Gasohol, P.O. Box 201-B, Audubon, Iowa 50215
(21) New Life Farms, attn: Ted Landers, Drury, MO 65638 417-261-2553
(22) Alan Zeithamer, Route 3, Box 235, Alexandria, MN 56308, (612-763-7392)
(22) Citizens' Implementation Plan for Alcohol Production, c/o Center for Renewable Resources, 1001 Connecticut Avenue, N.W., Washington, D.C. 20036

UNIVERSITIES/RESEARCH CENTERS:

(1) Leo Spano, Thomas Taosinari, Army Natick Laboratory, Natick, MA 01760 (617-653-1000; ext. 2914)
(2) Thomas B. Reed, Solar Energy Research Institute, Biomass Fuel Conversion Section, 1617 Cole Blvd., Golden, CO 80401
(3) Melvin Calvin, Laboratory of Chemical Biodynamics, Lawrence Berkeley Laboratory, University of California, Berkeley, CA (415-843-2740; ext. 6131)
(4) William Scheller, Department of Chemical Engineering, University of Nebraska, Lincoln, NE 68503 (402-472-2750)
(5) Dr. Wesley Buchle, Agricultural Engineering Department, Iowa State University, Ames, IA 50011
(6) Dr. Paul Middaugh, Microbiology Department, University of South Dakota, Brookings, S.D. 57007
(7) Dr. George Taso, Purdue University, Laboratory of Renewable Resources, West Lafayette, IN 47907; 317-494-6151
(8) Edward S. Lipinsky, Battelle Columbus Laboratories, 505 King Avenue, Columbus, Ohio 43201 (614-424-6526)

MANUFACTURERS/DISTRIBUTORS:

(1) Grain Processing Corporation, Myron Brower, Sr. VP, Muscatine, Iowa 52761
(2) Archer Daniels Midland, attn: Andrew McHaffie, Director, Plant & Sales, P.O. Box 1470, Decatur, IL 62525
(3) Midwest Solvents Co., Inc., attn: Mr. Ladd Seaberg, 1300 Main Street, Atchison, KS 66002 (913-367-1480)
(4) Mr. Jack Clawson, President, American Agri-Fuels, 1006 Grand Avenue, 10th floor, Room 1010, Kansas City, MO 64106
(5) Chemapec, attn: Rene Loser, 230 Crossways Park Dr., Woodbury, N.Y. 11797
(6) Milbrew, Inc. 6101 N. Tuetonia, Milwaukee, WI 53209 (414-462-3700)
(7) Larry Beachler, TIPCO, 9000 N. Pioneer Road, Peoria, IL 61614
(8) Buzz Marcus, Marc-Cam Industries, Inc., 527 N. Easton Rd., Glenside, PA 19038
(9) Robert Chambers, ACR Process Corp., 808 S. Lincoln #14, Urbana, IL 61801
(10) Georgia-Pacific, 900 S.W. 5th Avenue, Portland, OR 97204, 503-222-5561
(11) Gasohol Corporation of N.C., Attn: Hank Finch, P.O. Box 437, Fayetteville, N.C. 28302
(12) T.D. Striggles, PEDCO International, Chester Towers, Chester Road, Cincinnati, Ohio 45246
(13) Ferox Corporation, 7703 Normandale Road, Suite 104, Minneapolis, MN (612-835-1103)
(14) ENERCO, Inc., attn: Miles Thomson, 139-A Old Oxford Valley Road, Langhorn, PA 19047 (215-493-6565)
(15) Intertech Group, Inc., Attn: Donald M. Brewer, 7768 Woodmont Avenue, Suite 213, Bethesda, MD 20014 (301-654-8762)
(16) Biomass Suchem, c/o Nelson Fairbanks, U.S. Sugar, Clewiston, FL 33440, (183-983-8121)
(17) Guaranty Fuels, attn: Duane Schaub, Chem. Eng. 1120 E. Main Street, Independence, KS 67301

WOOD ENERGY

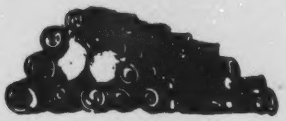
NEWSLETTERS & PERIODICALS

(1) "Home Energy Digest--Woodburning Quarterly" from Investment Rarities, 8009 34th Avenue South, Minneapolis, MN 55420 (quarterly journal, $7.95/year)
(2) "National Woodstove and Fireplace Journal" from 10221 Slater, Suite 104, Box 8006, Fountain Valley, CA 92708 (monthly trade journal, $19/year)
(3) "Wood Energy Advisor" by the New England Regional Commission, 53 State Street, Boston, MA 02019 (newsletter is sent to people who contribute 3-4 articles per year)
(4) "WEI Reports" and "Wood 'N Energy" by the Wood Energy Institute, Suite 700, 1101 Connecticut Avenue, N.W., Washington, D.C. 20036 (202-857-1100); newsletters are sent to members; membership is $25/year
(5) "Biomass Refining Newsletter" from Document Distribution, Solar Energy Research Institute, 1617 Cole Blvd., Golden, CO 80401 (quarterly newsletter, free)
(6) "Wood Burning Today" published by Energy Alternatives of Tualatin, OR; contact Victoria Smith Hastings, c/o WBT, P.O. Box 8484, Portland, OR 97207 (503-226-6855)

BOOKS & REPORTS

(1) "The Woodburner's Encyclopedia" by Jay Shelton and Andrew Shapiro; available from Vermont Crossroads Press, Waitsfield, VT 05673 (1977, 150 pages, $8.95)
(2) "Wood Energy" by Mary Twitchell; available from Garden Way Publishing, Charlotte, VT 05445 (1978, 170 pages, $7.95)
(3) "Planning and Building Your Fireplace" by Margaret

& Wilbur Eastman Jr.; available from Garden Way Publishing, Charlotte, VT 05445 (1976, 124 pages, $5.95)
(4) "Wood Heat Safety" by Jay W. Shelton; available from Garden Way Publishing, Charlotte, VT 05445 (1979, 165 pages, $8.95)
(5) "Wood Heating Handbook" by Charles Self; available from TAB Books, Blue Ridge Summit, PA 17214 (1977, 235 pages, $5.95)
(6) "Wood Heat" by John Vivian; available from Rodale Press, Emmaus, PA (1976, 428 pages, $7.95)
(7) "Power: Potential of Wood Energy Resources" by the Research Program on Technology & Public Policy; available from the Thayer School of Engineering, Dartmouth College, Hanover, N.H. 03755 (1977, 60 pages,



(8)"A Guide to Wood Heat for Maine People" by Stephen O. Andersen; available from the College of the Atlantic, Bar Harbor, ME (1979, 195 pages)
(9) "A Resource Book on the Art of Heating With Wood" by Jotul; available from Kristia Associates, Box 1118, Portland, Maine 04104 (1978, 64 pages, $1.00)
(10) "The Firewood Producer's Manual" by George P. Frick et al; available from the Mass Tree Farm Committee, P.O. Box 408, Sunderland, Mass. 01375 (1979, 55 pages, $3.00)
(11) "The Complete Book of Heating With Wood" by Larry Gay; available from Garden Way Publishing, Charlotte, VT 05445 (1978, 128 pages, $3.95)
(12) "Commercialization of Wood Combustion Systems" by Judith Gordon et al; available from the MITRE Corportation, 1820 Dolley Madison Boulevard, McLean, VA 22102 (1979,142 pages, order # MTR-79W00278)
(13) "The Potential of Wood as an Energy Source for Residential Space Heating in Maryland" by the Planning Unit, Maryland Energy Policy Office, 301 Preston, Baltimore, MD (1977, 39 pages)
(14) "The Feasibility of Generating Electricity in the State of Vermont Using Wood as a Fuel" by J.P.R. Associates; available from the Agency of Environmental Conservation, State of Vermont, Montpelier, VT 05602 (1975, 127 pages)
(15) "Wood Energy for Small Scale Power Production in North Carolina" by Ultrasystems Inc.; available from the Energy Division, 430 N. Salisbury Street, Raleigh, N.C. 27611 (1978, 125 pages)
(16) "Wood Energy in Michigan: An Analysis of Impact and Alternatives to the Proposed Generating Plant at Hersey, MI" by the Committee for the Rational Use of Our Forests, P.O. Box 24, Hersey, MI 49639 (1979, 21 pages)
(17) "A Report on the Potential of Wood as an Energy Resource in New England" by the New England Federal Regional Council, 53 State Street, Boston, MA 02109 (1977, 90 pages)
(18) "Heating With Wood: Building & Installation Codes for the City of Claremont, N.H." by the Claremont Energy Project; available from Keating Insurance Inc., 38 Pleasant St., Claremont, N.H. (1978, 50 pp)
(19) "Heating With Wood in Massachusetts Households" by Carolyn Harper; available from the Berkshire-Franklin RC&D Area., Inc, P.O. Box 408, Sunderland, MA 01375 (1980, 27 pages, $2.00)
(20) "Governors Task Force on Wood as a Source of Energy" by the Committee on Natural Resources; available from the Vermont House of Representative, Montpelier, VT 05602 (1975, 72 pages)
(21) "Biomass Task Force Report: Preliminary Draft" by the Alternate Energy Development Commission; available from the Oregon Department of Energy, 102 Labor and Industries Building, Salem, OR 97310 (1980, 34 pp)
(22) "Status Review of Wood Biomass: Gasification, Pyrolysis, and Densification Technologies" by Jack J. Fritz et al; available from the MITRE Corporation, 1820 Dolley Madison Boulevard, McLean, VA 22102 (1979, 133 pages, report # MTR-79W00354)
(23) "Near Term Potential of Wood as a Fuel" by D. Salo et al; available from the Metrek Division of the MITRE Corporation, 1820 Dolley Madison Blvd., McLean, VA 22101 (1978, 65 pages, report #MTR-7860)
(24) "The Chimney Brush: The Homeowner's Resource Book on the Art of Sweeping Chimneys" by Eva Horton; available from Kristia Associates, P.O. Box 1176, Portland, Maine 04104 (1977, 41 pages, $1.00)
(25) "Chimney & Stove Cleaning" by Christopher Curtis & Donald Post; available from Garden Way Associates, Charlotte, VT 05445 (1977, 27 pages, $1.00)
(26) "Wood Heating Seminar I" by the Wood Energy Institude, Box 800, Camden, Me 04843 (1977, 102 pages, $8)
(27) "Some Useful Information on the Cutting & Burning of Wood" by the Office of Energy Resources, 55 Capitol Street, Augusta, Me. 04330 (1976, 16 pages)
(28) "Convert Your Oil Furnace to Wood" by Bill White; available from The Firebuilders, Brooklyn, CT (1976, 55 pages, $3.00)
(29) "FireFacts: The Consumer's Guide to Wood Heat" by Jerry Kipp; available from the Countryman Press, Taftsville, VT 05073 (256 pages, $9.95)
(30) "Burning Wood" by the Northeast Regional Agricultural Engineering Service, Riley Robb Hall, Cornell University, Ithaca, N.Y. 14853 (29 pages, $1.00, order no. NE-191)
(31) "Heating With Wood: Burning Wood Safely" by the New England Regional Commission, 53 State Street, Boston, MA 02109 (20 pages)
(32) "The Woodburners Handbook" by David Havens; available from Harpswell Press, Brunswick, Maine (96 pages, $2.95)

(33) "Wood Stove Know-How" by Peter Coleman; available from Garden Way Publishing, Charlotte, VT 05445 (30 pages, $1.00, 1975)
(34) "Firewood for Heat" by Peter Allen, available from the Society for the Protection of New Hampshire Forests, 5 S. State St., Concord, N.H. 03301 (12 pp, 50¢)
(35) "Wood as Home Fuel" by Raymond Foulds; available from the Cooperative Extension Services of the Northeast States; available from Publications, Hills Bldg., University of VT, Burlington, VT 05401 (16 pages)
(36) "Antique Woodstove" by Wil and Jane Curtis; available from Garden Way Publishing, Charlotte, VT 05445, (63 pages, $2.95)
(37) "Wood Residues as an Energy Source: Proceedings from the Denver Workshop of September 1975"; available from Forest Products Research Society, 2801 Mar-

shall Court, Madison, WI 53705 ($11.00)

(38) "Lorena Owner-Built Stoves" by Ianto Evans; available from Volunteers in Asia, Appropriate Technology Project, Box 4543, Stanford, CA 94305 (1979, 80 pages, $3.00)

(39)"Potential of Wood Energy Reources: The Availability of Wood for a 50-MW Wood-Fired Power Plant in Northern Vermont" by Charles E. Hewett; available from the Research Program on Technology & Public Policy, Thayer School of Engineering, Dartmouth College, Hanover, N.H. 03755 (1978, 112 pages, report #DSD#114)

(40) "Woodstove Construction: How to Build Two Excellent Wood Heaters" by Al & Robin Ulmer; available from the Small Farm Energy Conservation Project, Federation of Southern Cooperatives, P.O. Box 95, Epes, AL 35460 (1978, 46 pages, $3.00)

(41) "Bilbiography of Fuelwood Use" by Dr. Steven Andersen, College of the Atlantic, Bar Harbor, Me 04609

(42) "Heating with Wood: Wood Stove and Fireplace Guidelines" (report #016) by the National Center for Appropriate Technology, P.O. Box #3838, Butte, MT 59701 (first copy free)

(43) "Bio-Energy Directory" by the Bio-Energy Council, available from 1625 Eye Street, N.W., Suite 825-A, Washington, D.C. 20006 ($40); this is a list of model projects that's updated yearly.

ORGANIZATIONAL RESOURCES

(1) Forest Service, U.S. Department of Agriculture, Washington, D.C.

(2) Ecotope Group, 2332 East Madison, Seattle, WA 98112, (206-322-3753)

(3) Bio-Energy Council, 1625 Eye Street, N.W., Suite 825-A, Washington, D.C. 20006; 202-833-5656

(4)Southeastern Vermont Community Action, Inc., 7-9 Westminster Street, Bellow Falls, VT 05101

(5) American Tree Farm System, American Forest Institute, 1619 Massachusetts Avenue, N.W., Washington, D.C. 20036

(6) Cooperative Extension Programs, c/o University of Wisconsin--Extension, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, WI 53706

(7) Wood Energy Institute, 1101 Connecticut Avenue, N.W., Suite #700, Washington, D.C. 20036 (202-857-1100); membership $25/year

(8) International Biomass Institute, 1522 "K" Street, N.W., Washington, D.C. 20005 (202-783-1133); membership $10/year including its newsletter "Biotimes"

(9) Biomass Energy Institute, Inc., P.O. Box 129, Postal Station "C", Winnipeg, Manitoba, CANADA R3M 3S7 (204-284-0472); membership of $10/year including its biomonthly newsletter "Bio-Joule"

NATIVE AMERICANS & ENERGY

NEWSLETTERS & PERIODICALS

(1) Akwesasne Notes" from the Mohawk Nation, via Rooseveltown, N.Y. 13683

(2) "American Indian Journal" from the Institute for the Development of Indian Law, 927 15th Street, N.W., Suite #200, Washington, D.C. 20005 ($2.50/issue)

(3) "Native Self-Sufficiency" from the Tribal Sovereignty Program, P.O. Box 1044, Guerneville, CA 95446

(4) "Navajo Times" from Newsletter Office, Window Rock, Arizona

(5) "Spirit of the People" by the Native American Solidarity Committee, P.O. Box 3426, St. Paul, MN 55165

(6) "Treaty Council News" from the International Treaty Council, 777 United Nations Plaza, New York, N.Y. 10017

BOOKS & REPORTS

(1)"Staff Report on Mineral Leasing on Indian Lands" by the Federal Trade Commission, Bureau of Competition; available from the U.S. Government Printing Office, Washington, D.C. 20402 (10/75, 110 pages, $1.45)

(2) "Native Americans and Energy Development" by the Anthropology Resource Center, P.O. Box 90, Cambridge, MA 02138 (1978, 89 pages)

(3) "Northern Development: At What Cost?" by the Administrative Board of the Canadian Catholic Conference, 90 Parent Avenue, Ottawa, Canada K1N 7B1 (1975, 20 pages)

(4) "Stop Uranium Mining! Defend Native American Land Rights" -- a monograph/poster available from Southeastern Natural Guard, 18 Bluff Road, Columbia, S.C. 29201 (803-254-8132)

ORGANIZATIONAL RESOURCES

(1) Council of Indian Resource Tribes, 1000 Connecticut Avenue, N.W., Washington, D.C. 20036

(2) American Indian Environmental Center, 1503 Central N.W., Albuquerque, N.M. 87104 (505-243-2812)

(3) American Indian Movement National, P.O. Box 3677, St. Paul, MN 55101

(4) Americans for Indian Opportunity, 600 2nd Street, N.W., Suite 403, Albuquerque, N.M. 87102

(5) New Mexico People & Energy Project, 810 Vassar, N.E., Albuquerque, N.M. 87106 (Deb Preusch, Tom Barry)

(6) Mt. Taylor Liaison Committee, P.O. Box 7082, Albuquerque, N.M. 87194 (505-242-3360/344-1191)

(7) Pine Ridge Education/Action Project, 1925 Nicollet, Suite 101, Minneapolis, MN 55403 (612-870-1501)

(8) National Indian Youth Council, 201 Hermosa, N.E., Albuquerque, N.M. 87108 (Roger Finzel, Winona La Duke)

(9) Native American Rights Fund, 1503 Broadway, Boulder, CO 80302

(10) Florencia Land Rights Coordinating Committee, P.O. Box 1326, Florencia (Loving), N.M. 88256

(11) American Indian Treaty Council--Information Center, 870 Market St., Suite 449, San Francisco, CA 94102

(12) National Coalition to Support Indian Treaties, 814 Northwest 40th Street, Seattle, WA 98105

(13) Black Hills Alliance, P.O. Box 2508, Rapid City, South Dakota 57701 (605-342-5127)

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STATE ENERGY EXTENSION SERVICES

Alabama: John Hoyle, Director, AL Energy Extension Service, Auburn University, Auburn, AL 36830

Alaska: John Hale, Coordinator, AK Energy Extension Service, 338 Denalie Street, 7th floor, Anchorage AK 99501

Arizona: Energy Extension Service, c/o Arizona Solar Energy Research Com., 1700 West Washington, Phoenix AZ 85007

Arkansas: Energy Extension Service, c/o Ark. Energy Office, 960 Plaza West, Little Rock, Ark. 72205

California: Allan Lind, Office of Appropriate Technology, 1530 Tenth Street, Sacramento, CA 95814

Colorado: Office of Community Programs, CO Office of Energy Conservation, 1600 Downing Street, Denver, CO 80218

Connecticut: CT Energy Extension Service, Office of Policy & Management, 80 Washington Street, Hartford, CT 06115

Delaware: Energy Extension Program, Delaware Energy Office, 114 West Water Street, Dover, DE 19901

District of Columbia: Energy Extension Program, attn: Chelsye Williams, DC Energy Unit, 1420 New York Ave., NW, Washington, D.C. 20005

Florida: Energy Extension Service, State Energy Office, attn: Jim Jackson, 301 Bryant Building, Tallahassee, FL 32304

Georgia: Energy Extension Program, Office of Energy Resources, Attn: Shannon St. John, Atlanta, GA 30334

Hawaii: Energy Extension, attn: Ed Greaney, State Energy Office, 1164 Bishop Street, Suite 1515, Honolulu, Hawaii 96813

Idaho: Energy Extension Service, c/o Idaho Office of Energy, Statehouse, Boise, Idaho 83720

Illinois: Energy Extension Service, State of Illinois Institute of Natural Resources, 325 West Adams St., Room 300, Springfield, IL 62706

Indiana: Indiana Energy Group, attn: Robert Hedding, Indiana Department of Commerce, 115 North Pennsylvania Street, Indianapolis, Ind. 46204

Iowa: Iowa Energy Extension Service, 110 Marston Hall, Iowa State University, Ames, Iowa 50011

Kansas: Energy Extension, attn: John Rowe, Kansas Energy Office, 503 Kansas Avenue, Topeka, KS 66603

Kentucky: Bureau of Energy, Production & Distribution, attn: John Stapleton, Capital Plaza Tower, Frankfort, KY 40601

Louisiana: Energy Extension Service, LA Dept. of Natural Resources, P.O. Box 44156, Capital Station, Baton Rouge, LA 70804

Maine: Information Program, attn: Vincent DiCara, Office of Energy Resources, 55 Capitol Street, Augusta, Maine 04330

Maryland: Energy Policy Office, attn: Felicity Evans, 301 W. Preston St., Suite 1302, Baltimore, MD 21201

Massachusetts: Public Affairs Office, Attn: Harriet Stanley, Office of Energy Resources, 73 Tremont St., Boston, MA 02108

Michigan; Michigan Energy Extension Service, 6520 Mercantile Way, Suite 1, Lansing, MI 48910

Minnesota: Energy Extension Program, MN Energy Agency, 150 East Kellogg Blvd., St. Paul, MN 55101

Mississippi: Energy Extension Service, Cooperative Extention Service, Mississippi State University, Box 5406, Mississippi State, MS 39762

Missouri: MO Energy Program, Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102

Montana: Department of Natural Resources and Conservation, attn: Paul Cartwright, 32 South Ewing, Helena, MT 59601

Nebraska: Energy Research and Development Center, attn: Donald Edwards, W181 Nebraska Hall, University of Nebraska, Lincoln, NE 68588

Nevada: Energy Extension Service, Nevada Department of Energy, 1050 E. William, Suite 405, Carson City, NV 89710

New Hampshire: Governor's Council on Energy, 2½ Beacon Street, Concord, N.H. 03301

New Jersey: Office of Conservation, NJ Department of Energy, 101 Commerce Street, Newark, N.J. 07102

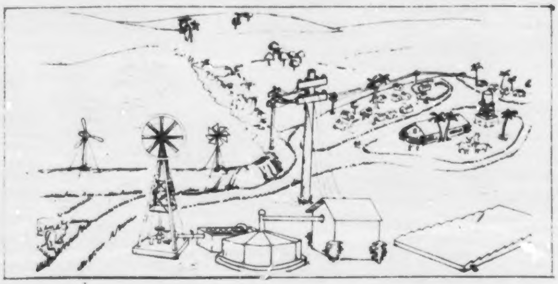
New Mexico: NM Energy Extension Service, P.O. Box 00 Santa Fe, N.M. 87501

New York: Energy Extension Program, NYS Energy Office, 2 Rockefeller Plaza, Albany, N.Y. 12223

North Carolina: Energy Division, NC Department of Commerce, 430 N. Salisbury Street, Raleigh, NC 27611

North Dakota: Energy Extension Service, Office of Energy Management and Conservation, 1533 North 12th Street, Bismarck, N.D. 58501

Ohio: Conservation, Planning Information & Forecasting Office. 30 East Broad Street, Columbus, OH 43215



Oklahoma: Energy Extension Service, attn: Patty Miller, OK Dept. of Energy, 4400 North Lincoln Blvd., Oklahoma City, OK 73105

Oregon: Energy Extension Service, Owen D. Osborne, Coordinator, Oregon State University, Corvallis, OR 97331

Pennsylvania: Energy Extension Program, attn: John Hafer, Governor's Energy Council, 1625 North Front Street, Harrisburg, PA 17102

Rhode Island: Energy Extension Service, attn: Vin Graziano, Governor's Energy Office, 80 Dean Street, Providence, R.I. 02903

South Carolina: Energy Extension Service Project, SC State Board for Technical and Comprehensive Education, 1429 Senate Street, Columbia, S.C. 29201

South Dakota: Energy Extension Program, Office of Energy Policy, Capital Lake Plaza, Pierre, SD 57501

Tennessee: TN Energy Extension Service, 226 Capitol Boulevard Building, #615, Nashville, TN 37219

Texas: Governor's Office of Energy Resources, attn: Energy Extension Program, 7703 North Lamar, Room 502, Austin, Texas 78752

Utah: Energy Extension Service, Utah Energy Office, Empire Building, Suite 101, Salt Lake City, UT 84111

Vermont: Energy Extension Program, Pavilion Office Building, Montpelier, VT 05602

Virginia: Energy Division, attn: J. Boyd Spencer, State Office of Emergency and Energy Services, 310 Turner Road, Richmond, VA 23225

Washington: WA Energy Extension Service, Cooperative Extension Service, AG-Phase II, Washington State University, Pullman, WA 99164

West Virginia: Energy Extension Program, c/o W.VA. Fuel & Energy Office, 1262½ Greenbrier Street, Charleston, W.Va. 25311

Wisconsin: WI Energy Extension Service, 432 N. Lake Street, Room 435, Madison, WI 53706

Wyoming: WY Energy Extension Service, University Station, Box 3295, Engineering Building, Laramie, WY 82071

Puerto Rico: Energy Extension Service, P.R. Office of Energy, P.O. Box 41089, Minillas Station, Santurce, P.R. 00940

HYDROGEN ENERGY

NEWSLETTERS & PERIODICALS

(1) "International Journal of Hydrogen Energy" from Maxwell House, Fairview Park, Elmsford, N.Y. 10523 (quarterly)

BOOKS & REPORTS

(1) "Energy: The Solar-Hydrogen Alternative" by J. O'M Bockris; available from Halsted Press, 605 Third Avenue, New York, N.Y. 10016 (1976, 365 pages, $27.50)

(2) "The Hydrogen Economy" by Stanford Research Institute; available from SRI, 333 Ravenswood Avenue, Menlo Park, CA 94025, attn: P. Cone L2057 (reference 820D25) ($15.00)

(3) "Hydrogen Energy" by the Energy Information Center, Technology Application Center, University of New Mexico, Albuquerque, N.M. (cumulative volume - $25)

(4) "The Energy Crisis: One Solution" by Bonneville Media Distributors, P.O. Box 555, Provo, Utah 84601 (this is an 18-minute, full-color, 16-mm movie that discusses the hydrogen alternative and focuses on the work of the Billings Energy Corporation

(5) "Hydrogen: Fuel of the Future?" by Alden P. Armagnac; article in "Popular Science", January 1973

(6) "Hydrogen: Synthetic Fuel of the Future" by Thomas H. Maugh; article in "Science" magazine, Vol. 178, 1972; pages 849-852

ORGANIZATIONAL RESOURCES

(1) Billings Energy Corporation, 2000 N. Columbia LAne, Provo, Utah 84601

(2) Clean Fuel Institute, attn: Robert M. Zweig, 3865 Jackson, Suite 35, Riverside, CA 92503 (714-688-1122)

(3) Solar Hydrogen Development Company, Inc., 6365 Arizona Circle, Los Angeles, CA (213-645-1350)

FUEL CELLS

NEWSLETTERS & PERIODICALS

(1) "Fuel Cells Expected to Facilitate Powerplant Deployment by 1978" in "Energy Research Reports", from 385 Elliot Street, Newton, MA 02164 (11/75, pp 1-3)

(2) "Modular Fuel Cell Program Advances" in "Aviation Week & Space Technology" magazine (1/7/74, pp. 54-55)

(3) "Little Black Box" in "Science Digest" magazine (July 1971, page 18)

(4) "Fuel Cells" in "Popular Science" magazine, August 1971

(5) "Energy Info" Newsletter, issues - Vol 12, No. 2 (8/76-p. 1); Vol. 12, No. 4 (10/76 - p. 1); single copies are $3 from Robert Morey Associates, P.O. Box 98, Dana Point, CA 92629

(6) "Science Digest", July 1971

(7) "Energy Research Reports", Vol. I, No. 7, November 1975 (from Advanced Technology Publications, Newton, MA)

(8) "Electronic News", May 31, 1971

(9) "Energy Digest" Vol. VI, No. 6, May 21, 1976 (Scope Publications, Washington, D.C.)

(10) "Daily News Letter" January 16, 1974

(11) "Aviation Week & Space Technology", January 7, 1974

BOOKS & REPORTS

(1) "Fuel Cells: A Survey" by the National Aeronautics & Space Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402; (1973, 110 pages, 85¢, stock #13300-00500)

(2) "Assessment of Industrial Applications for On-Site Fuel Cell Co-Generation Systems" by R.P. Stickles et al; available from Arthur D. Little, 20 Acorn Park, Cambridge, MA 02140 (1978, 205 pages)

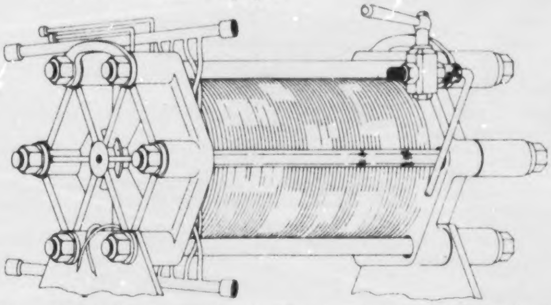
(3) "National Benefits Associated with Commercial Application of Fuel Cell Powerplants" prepared for the U.S. ERDA by United Technologies; available from the Power Systems Division, United Technologies Corporation, P.O. Box 109, South Windsor, CT 06074 (1976, 60 pages)

(4) "Fuel Cells for Public Utility & Industrial Power-1977" by Robert Noyes; available from Subscription Manager, Energy Info, P.O. Box 98, Dana Point, CA 92629 (1977, 325 pages, $42.00)

(5) "Improvement of Fuel Cell Technology Base: Final Report" prepared for the U.S. Department of Energy (San Francisco Office) under contract No. EY-76-C-03-1169 by the United Technologies Power Systems Division, P.O. Box 109, South Windsor, CT 06074 (58 pages, 1978)

(6) "ERDA/EPRI Fuel Cell Seminar: June 1976" from the Energy Research & Development Administration, Division of Conservation Research Technology, Washington, D.C. 20545 (109 pages, 1976)

(7) "Energy & the Fuel Cell" by Ralph Villers; originally appeared in the United Technologies "Beehive" newsletter (summer 1975); since reprinted by Concerned Citizens of Rhode Island, Box 525, Charlestown, R.I. 02813 (4 pages)



(8) "Fuel Cell Power Plants for Rural Electrification", "How Powercells Work", "Powercell II", "Fuel Cells for Improved Electrical Power Supply" from Pratt & Whitney Aircraft, Fuel Cell Marketing, East Hartford, CT 06108

(9) "Background Information on Fuel Cells" prepared for the U.S. Energy Research & Development Administration by the National Aeronautics & Space Administration (July 1975, 44 pages)

(10) "Quarterly Report on NBS Fuel Cell Program" by the National Bureau of Standards, c/o Alan D. Fraunlin, A-355, Materials Division, Washington, D.C. 20234 (1976, 32 pages)

(11) "Assessment of Industrial Applications for On-Site Fuel Cell Co-Generation Systems" by R.P. Stickles et al; prepared for NASA's Lewis Research Center, Technical Procurement Branch, 2100 Brookpark Road, Cleveland, Ohio 44135; also available from Arthur D. Little, 20 Acorn Park, Cambridge, MA 02140 (9/78, 205 pp)

(12) "New Electrolytes for Direct Methane Fuel Cells"

by S.B. Brummer et al (c/o EIC Corporation, 55 Chapel Street, Newton, MA 02158); prepared for the U.S. DOE (July 1978, 60 pages, contract #EY-76-C-03-1363)

(13) "Venture Analysis Case Study for On-Site Fuel Cell Energy Systems" (Vol. 1-3) by United Technologies Corporation, c/o J.D. Brown, Program Manager, Power Systems Division, South Windsor, CT 06074 (July 1978, 68 pages, 100 pages, 200 pages)

(14) "Fuel Cells" (chapter 16 of the book "Energy Futures") by INFORM, 25 Broad Street, New York, N.Y. 10004, pp. 669-688 (1977; ask for price information)

(15) "Fuel Cells: A New Kind of Power Plant", pamphlet from the U.S. Department of Energy, Washington, D.C. 20585 (free)

(16) "Energy & the Future" by A. Hammond et al; available from the American Association for the Advancement of Science, Massachusetts Avenue, N.W., Washington, D.C. 20005 (1973)

PASSIVE SOLAR

NEWSLETTERS & PERIODICALS

(1) "Solar Greenhouse Digest" available from P.O. Box 3218, Kingman, AZ 86401 (602-757-8255), $7.00/year

(2) "Alternative Sources of Energy" magazine available from ASE, Rt. 2, Milaca, MN 56353 ($15/year, six issues)

(3) "Underline" newsletter from the Underground Space Center, c/o Department of Civil & Mineral Engineering, University of Minnesota, Minneapolis, MN 55455 (8 pages)

(4) "Rodale's New Shelter" magazine available from Rodale Press, Emmaus, PA 18049 ($9.00, nine times/year, approximately 100 pages/issue)

(5) "Soft Solar Notes" by the Passive Solar Foundation of the Citizens' Energy Project, 1110 Sixth Street, N.W., Washington, D.C. 20001 (bi-monthly)

BOOKS & REPORTS

(1) "The Fuel Savers" by Total Environmental Action, Church Hill, Harrisville, N.H. 03450 (1978, 60 pages, $3.75)

(2) "The Connecticut Solar Handbook" by the Connecticut Citizen Action Group, Box G. Hartford, CT 06106 (47 pages, 1977, 75¢)

(3) "Predicting the Performance of Passive Solar-Heated Buildings" by Steve Baker & Ed Mazria from the Center for Environmental Research, University of Oregon

(4) "Solar Greenhouses" by Rick Fisher and Bill Yanda, available from the Bookpeople, 2940 Seventh Street, Berkeley, CA 94710 (1976, 161 pages, $8.00)

(5) "Solar Greenhouse Bibliography & List of Plans" from the National Solar Heating & Cooling Information Center, P.O. Box 1607, Rockville, MD 20850 (4 pages, free)

(6) "Memoirs of a Solar Greenhouse" by Doc Whiting; available from
(15 pages, $2.00)

(7) "The Complete Greenhouse Book" by Péter Clegg and Derry Watkins; available from Garden Way Publishing, Charlotte, VT 05445 (280 pages, 1978, $8.95)

(8) "Underground Designs" by Malcolm Wells; available from the author, 1149, Brewster, MA ($4.00)

(9) "Bibliography on Underground Houses" by the National Solar Heating & Cooling Information Center (toll-free phone: 1-800-523-2929)

(10) "Earth-Sheltered Housing Design" by Ray Sterling available from the Underground Space Center, c/o Department of Civil & Mineral Engineering. University of Minnesota, Minneapolis, MN 55455

(11) "Low-Cost, Energy-Efficient Shelter" by Eugene Eccli; available from Rodal Press, Emmaus, PA 18049 (1976, 400 pages, $10.95)

(12) "Designing and Building a Solar House" by Donald Watson; available from Garden Way Publishers, Charlotte, VT 05445 (282 pages, 1977, $9.95)

(13) "Homegrown Sundwellings" by Peter Van Dresser; available from The Lightning Tree, P.O. Box 1837, Santa Fe, N.M. 87501 (1977, 135 pages)

(14) "Natural Solar Architecture: A Passive Primer" by David Wright; available from Van Nostrand Reinhold Company, 135 West 50th Street, New York, N.Y. 10020 (1978, 250 pages, $7.95)

(15) "The Passive Solar Energy Book" by Edward Mazria; available from Rodale Press, Emmaus, PA 18049 (1979, 435 pages, $10.95)

(16) "The Solar Home Book" by Bruce Anderson and Michael Riordan; available from the Solar Bookshop, Total Environmental Action, 101 Church Hill, Harrisville, N.H. 03450 (304 pages, 1977, $9.50)

(17) "How to Build Your Own Greenhouse" by Elvin McDonald; available from CBS Publications, Building 3, Brooklyn Navy Yard, Brooklyn, N.Y. 11205 (318 pages, 1976, $1.50)

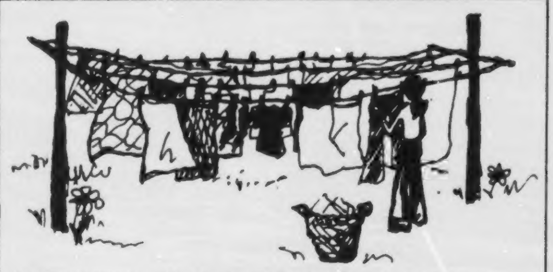
(18) "Building and Using Our Sun-Heated Greenhouse" by Helen & Scott Nearing; available from Garden Way Publishing, Charlotte, VT 05445 (148 pages, 1977, $6.95)

(19) "Solar Energy Home Designs in Four Climates" by Total Environmental Action, Church Hill, Harrisville, N.H. 03450 (1975, 198 pages)

(20) "Solar Dwelling Design Concepts" by the U.S. Department of Housing & Urban Development's Office of Policy Development & Research; available from the U.S. Government Printing Office, Washington, D.C. 2040 20402)1976, 146 pages, $2.30; stock #023-000-00334-1)

(21) "Solar Primer One: Solar Energy in Architecture" by Bradley Carlson; available from SOLARC, P.O. Box 4233, Whittier, CA 90607 (1975, 120 pages, $10.25)

(22) "New Inventions in Low-Cost Solar Heating" by William A. Shurcliff (subtitled "100 Daring Schemes Tried and Untried"); available from Brick House Publishing Company, Church Hill, Harrisville, N.H. 03450 (1979, 290 pages, $12.00)



EXPERIMENTAL SOLAR CLOTHES DRYER IN OPERATION
By Living Systems; Davis, Cal.

(23)"Regional Guidelines for Building Passive Energy Conserving Homes" by the American Institute of Architects Research Corporation for the U.S. Department of Housing & Urban Development; available from the Government Printing Office, Washington, D.C. 20402 (11/78, stock #HUD-PDR-355)

(24) "Passive Design Ideas for the Energy Conscious Builder" by HUD and the U.S. Department of Energy; available from the National Solar Heating & Cooling Information Center, P.O. Box 1607, Rockville, MD 20850 (1977, free); also available are "Passive De-

sign Ideas for the Energy Conscious Consumer" and "Passive Design Ideas for the Energy Conscious Architect" (both are also free)

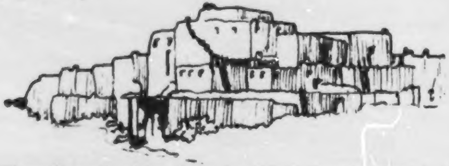
(25) "Building the Solar Home" by HUD and DOE; available from the Government Printing Office, Washington, D.C. 20402 (free, stock #023-000-00455-1)

(24) "A Survey of Passive Solar Buildings" by the American Institute of Architects; available from the Government Printing Office, Washington, D.C. 20402 (2/78, stock #HUD-PDR-287)

(26) "Thermal Shutters and Shades" by William Shurcliff available from Brick House Publishing Co., 3 Main Street, Andover, MA 01810 (256 pages, 1980, $24.95)

(27) "Solar Gain: Winners of the Passive Solar Design Competition" by the California Energy Commission; available from the Commission, 1111 Howe Avenue, Sacramento, CA (119 pages, 1980, free)

(28) "Solar House Design Competition" by the Illinois Committee for Energy and Architecture; available from the IL Institute of Natural Resources, 222 S. College Street, Springfield, IL 62706 (50 pages, 1980, free)



(29) "Breadbox Design for the Fred Young Farm Labor Center in Indio" by Bruce Melzer and Bruce Maeda; available from the Solar Business Office, 921 Tenth Street, Sacramento, CA 95814 (1980, 59 pages, free)

(30) "The Underground House Book" by Stu Campbell; available from Garden Way Publishing, 515 Ferry Road, Charlotte, VT 05445 (1980, 210 pages, $10.95)

(31) "Superinsulated Houses and Double-Envelope Houses" by William A. Shurcliff; available from the author, 19 Appleton Street, Cambridge, MA 02138 (130 pages, 1980, $10 postpaid)

(32) "A Golden Thread: 2500 Years of Solar Architecture and Technology" by Ken Butti and John Perlin; available from Van Nostrand Reinhold, 135 West 50th Street, New York, N.Y. 10020 (285 pages, 1980, $15.95)

(33) "Solar Energy Utilization" by Tim Michels; available from Van Nostrand Reinhold, 135 West 50th Street, New York, N.Y. 10020 (1979, $18.50)

(34) "Proceedings of the Third National Passive Solar Conference" by the International Solar Energy Society; available from Unipub, Box 433, Murray Hill Station, New York, N.Y. 10016 (943 pages, 1979, $65.00)

(35) "Papers in Housing and Community Affairs: Adobe As a Socially Appropriate Technology for the Southwest" by the U.S. Department of Housing & Urban Development, 450 Golden Gate Avenue, San Francisco, CA 94102 (1980, 60 pages, free, report #9S0)

(36) "Village Homes' Solar House Designs" by David Bainbridge et al; available from Rodale Press, Organic Park, Emmaus, PA 18049 (192 pages, 1979, $6.95)

(37) "Solar Homes for the Valley: 1979 Design Portfolio" by the Tennessee Valley Authority, Solar Applications Branch, Knoxville, TN 37902 (25 pages, 1980, free)

(38) "Passive Solar Design and the Honeywell Foundation" by the Honeywell Foundation, 275 West Market Street, Wabash, IN 46992 (1979, 35 pages, free)

(39) "A Design and Construction Handbook for Energy-Saving Houses" by Alex Wade; available from Rodale Press, Organic Park, Emmaus, PA 18049 (432 pages, 1980, $12.95)

(40) "Movable Insulation: A Guide to Reducing Window Heat Losses in Your Home" by William K. Langdon; available from Rodale Press, Emmaus, PA 18049 (320 pages, 1980, $8.95)

(41) "Guidelines & Criteria for Administering the Tax Credit Provisions of the National Energy Act With Regard to Passive Solar Heating & Cooling Systems" and "Issues Affecting the Inclusion of Passive Solar Within the National Energy Act and Its Guidelines for Implementation" by Michael Beyard and Stuart Weiss; available from the U.S. DOE's Office of Conservation & Solar Applications, Forrestal Building, Washington, D.C. 20585 (1978, 63 pp, 76 pp, free)

(42) "A National Passive Solar Communication Plan by the Solar Energy Research Institute, 1617 Cole Blvd., Golden, CO 80401 (1979, report #SERI/SP-69-389)

(43) "National Program Plan for Passive and Hybrid Solar Heating & Cooling" by the U.S. DOE; available from NTIS, 5285 Port Royal Road, Springfield, VA 22161 (124 pages, 1979, $7.25)

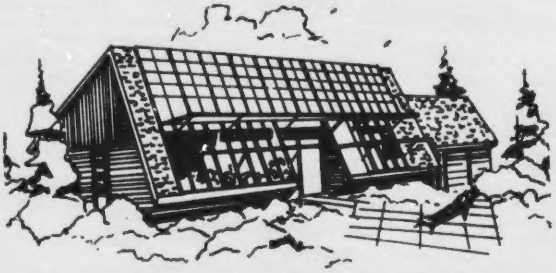
(44) "Passive Solar Design: An Extensive Bibliography" by the AIA Research Corporation; prepared for the U.S. DOE; available from NTIS, 5285 Port Royal Road, Springfield, VA 22161 (1978, 199 pages, $9.25)

(45) "A Bibliography for the Solar Home Builder" by Dr. Donald W. Aitken; available from the California Office of Appropriate Technology, 1530 Tenth Street, Sacramento, CA 95814 (1979, 38 pages, free)

(46) "The Solar Promise" (28½ minute color film) produced by Henry Mayer, 945 Middlefield Road, Redwood City, CA 94063 (415-368-2804); available for purchase for $390 or rental for $39 (1979)

(47) "Natural Lighting" by David Bainbridge; available from the California Energy Commission, 1111 Howe Avenue, Sacramento, CA 95825 (June 1978)

(48) "Passive Design: It's a Natural" by SERI's Passive Technology Program; available through Rachel Snyder, Buildings Applications & Policy Branch, Solar Energy Research Institute, 1617 Cole Blvd., Golden, CO 80401 (1980, 22 pages, free)



(49) "Innovations in Solar Thermal House Design" by Donald Watson;available from the AIA Research Corporation, 1735 New York Avenue, N.W., Washington, D.C. 20006 (1975, 40 pages)

(50) "Successful Solar Energy Solutions" by Spruille Braden III and Kathleen Steiner; available from Van Nostrand Reinhold, 135 West 50th Street, New York, N.Y. 10020 (300 pages, 1980, $24.50)

(51) "Passive Solar Energy: The Homeowner's Guide to Natural Heating & Cooling" by Bruce Anderson and Malcolm Wells; available from Brick House Publishing Co., Inc., 3 Main Street, Andover, MA 01810 (120 pages, 1980, $7.95)

(52) "Solar Products Specifications Guide" by Solar Age Magazine, c/o Church Hill, Harrisville, N.H. 03450 (1980, 500+ pages, $70.00)

(53) "Solar Control and Shading Devices" by Aladar Olgyay and Victor Olgyay; available from Princeton University Press, Princeton, N.J. 08540 (1957, 202 pages, $8.95)

(54) "Earth Integrated Architecture: An Alternative Method for Creating Livable Environments with an Emphasis on Arid Regions" edited by James W. Scalise; available from the College of Architecture Research

& Service Foundation, College of Architecture, Arizona State University, Tempe, AZ 85281 (1975/79, 150 pages)

(55) "Solar Energy and Building" by S. V. Szokolay; available from Halsted Press, c/o John Wiley & Sons, Inc., New York, N.Y. (1975, 174 pages)

ORGANIZATIONAL RESOURCES

(1) Passive Solar Products Association, c/o Maxine Dotseth, Canvas Products Association, 350 Endicott Building, St. Paul, MN 55101 or John Schnebly of Thermotech Corporation, 410 Pine Street, Burlington, VT or Tim Maloney of One Design Inc., Mountain Falls Route, Winchester, VA

(2) Passive Solar Society of Georgia, P.O. Box 38317, Atlanta, GA 30334

(3) Window Shade News Bureau, 6 East 43rd Street, New York, N.Y. 10017

(4) Passive Solar Associates, attn: Sara & Doug Balcomb, P.O. Box 6023, Santa Fe, N.M. 87501 (505-983-1506)

(5) Davis Alternative Technology Associates, P.O. Box 503, Davis, CA 95616 (916-756-9300)

(6) Underground Space Center, c/o Department of Civil & Mineral Engineering, University of Minnesota, Minneapolis, MN 55455

(7) Habitat Design & Construction/The Habitat Center, 162 Christen Drive, Pacheo, CA 94553 (415-825-8434)

(8) Urban Solar Caucus, c/o George Mokray, 218 Franklin Street #3, Cambridge, MA 02139

(9) Clearinghouse of Earth-Covered Buildings, c/o Frank L. Moreland, School of Architecture, University of Texas, Arlington, Texas 76019

(10) Center for Ecological Technology, P.O. Box 427, Pittsfield, MA 01201 (413-445-4556)

(11) Passive Solar Industries Council, c/o Potomac Energy Group, 401 Wythe Street, Alexandria, VA 22314 attn: David Johnston 202-683-5001

(12) Flagstaff Community Center for Appropriate Technology, P.O. Box 1443, Flagstaff, AZ 86002

(13) N.Y.S. Solar Designers and Builders Cooperative, P.O. Box 132, Wampsville, N.Y. 13163

(14) The Owner Builder Center, 1824 Fourth Street, Berkeley, CA 94710

ELECTRIC VEHICLES

NEWSLETTERS & PERIODICALS

(1) "Electric Vehicle News" magazine; available from the Electric Vehicle News, P.O. Box 533, Westport, CT 06880 (quarterly, $10/year; single issues-$3)

(2) "We Test a Successful Electric Car" in Mechanix Illustrated magazine, March 1976

(3) "Two Electric Cars" in Consumer Reports, October 1975, p. 596

BOOKS & REPORTS

(1) "Electric and Hybrid Vehicles" edited by M.J. Collies; available from the Noyes Data Corporation, Noyes Building, Park Ridge, N.J. 07656 (1979, 633 pages)

(2) "The Consumer's Electric Car" by Ernest H. Wakefield available from Ann Arbor Science Publishers, 230 Collingwood, P.O. Box 1425, Ann Arbor, MI 48106

(3) "State-of-the-Art Assessment of Electric and Hybrid Vehicles" by the Lewis Research Center of NASA; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (DOE No. HCP/M1011-01) (1978, 600 pages, $13.75)

(4) "The Electric Vehicle: Inevitable?" by the Business Communications Company; available from B.C.C., 471 Glenbrook Road, Stamford, CT 06906; 203-325-2208; (March 1977, 108 pages, 48 tables, %525.00)

(5) "Electric and Hybrid Vehicle Program: 3rd Annual Report to Congress" by the U.S. Department of Energy, available from the Office of Transportation Programs, DOE, Washington, D.C. 20585 (1/80, 82 pages, report #DOE/CS-0130)

(6) "Now...The Electric Adventure" by the U.S. Department of Energy, Asst. Sec. for Conservation & Solar Energy, Office of Transportation Programs, Washington, D.C. 20585 (1980, report #DOE/CS-0110, 15 pages)

ORGANIZATIONAL RESOURCES

(1) Electric & Hybrid Vehicle Program, c/o U.S. Department of Energy, Division of Transportation Energy Conservation, Washington, D.C. 20585

(2) Senior Citizens for Electric Cars, c/o Lawson M. McKenzie, 606 Madison Building, 1111 Arlington Blvd., Arlington, VA 22209

(3) Electric Vehicle Council, c/o Edward A. Campbell, 90 Park Avenue, New York, N.Y. 10016

MANUFACTURERS:

(1) Sebring Vanguard (manufacturer of "CityCar" electric vhicles), c/o Sebring Air Terminal, P.O. Box 1479, Sebring, FL

(2) Lectric Leopard (represented by John J. Enterprises) 1629 "K" Street, N.W., Washington, D.C. 20036

(3) AM General Corporation, 32500 Van Born Road, Wayne, Michigan 48184 (313-722-4900)

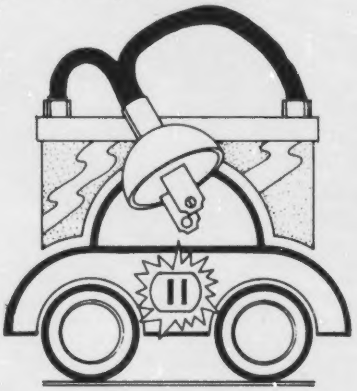
(4) American Electric Car Co., 5452 Business Drive, Hunting Beach, CA 92649 (714-998-2461)

(5) B&Z Electric Car, 3346 Olive Drive, Signal Hill, CA (213-436-2319)

(6) Battery Power Unit Corp., Rt. 3, Box 700, Golden, CO 80401 (303-526-0254)

(7) Battronic Truck Corp., Third & Walnut Streets, Boyertown, PA 19512 (215-367-2091)

(8) Bradley Automotive, 14414 21st Avenue, North, Plymouth, MN 55441 (612-475-2990)



(9) Die Mesh Corporation, 629 Fifth Avenue, Pelham, N.Y. 10803 (914-738-5444)

(10) EVA/Chloride Corp., 9100 Bank Street, Cleveland, Ohio 44125; (215-524-8418)

(11) Elcar Corporation, P.O. Box 1404, Elkhart, Ind. 46515 (219-293-0284)

(12) Electric Auto Corporation, 2237 Elliott Ave., Troy, Michigan 48084 (313-588-0252)

(13) Electric Fuel Propulsion Corp., Robbins Executive Park East, 2191 Elliott Ave., Troy, MI 48084

(14) Electric Passenger Cars, Inc., 5127 Galt Way, San Diego, CA 92117 (714-565-6917)
(15) Electric Vehicle Associates Inc., 9100 Bank St., Cleveland, Ohio 44125 (216-524-8418)
(16) Fluid Drive Engineering Co., 313 Hibbard Rd., Willmette, IL 6009;
(17) General Engines, Inc., 591 Mantua Blvd., Sewell, N.J. (609-468-0414)
(18) Jet Industries, Inc., 4201 South Congress, Austin, Texas 78745 (512-443-4795)
(19) Kaylor Energy Products, 1918 Menalto Ave., Menlo Park, CA 94025 (415-325-6900)
(20) Lucas Industries, Inc., 5500 New King St., Troy, MI 48098 (313-879-1920)
(21) Lyman Metal products, 15 Meadow, S. Norwalk, CT 06856 (203-838-8491)
(22) South Coast Technology, Inc., P.O. Box 3265, Santa Barbara, CA 93105 (805-964-4749)
(23) Stuart Elektrowagen, 1900 W. Main Street, Ionia, MI 48846 (313-238-9346)
(24) Transition, 745 Fort Street, Honolulu, Hawaii 96813, (808-533-4789)
(25) C.H. Waterman Industries, 2342 Main Street, Athol, MA 01331 (617-249-6801)

PHOTOVOLTAIC CELLS

NEWSLETTERS & PERIODICALS

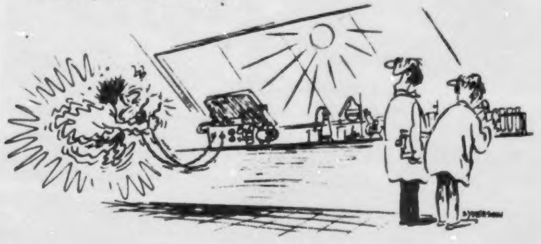
(1) "Solar Cells" Journal -- from Elsevier Sequoia S.A. (quarterly, $160 per year); available from P.O. Box 851, CH-1001 Lausannel, Switzerland

BOOKS & REPORTS

(1) "Sunlight to Electricity: Prospects for Solar Energy Conversion by Photovoltaics" -- by Joseph A. Merrigan from MIT Press, Cambridge, MA 02142 (1975, 163 pages)
(2) "The Dawning of Solar Cells" by David Morris from the Institute for Local Self-Reliance, 1717 18th Street, N.W., Washington, D.C. 20009 (1975, 50 pages, $2.00)
(3) "DOD Photovoltaic Energy Conversion Systems Market Inventory & Analysis" by the BDM Corporation, McLean, VA (July 1977)
(4) "Solar Energy: A Comparative Analysis to the Year 2000 by the Mitre Corporation, METREK Division, McLean, VA (March 1978; report #MTR-7579)
(5) "National Photovoltaic Program" by the U.S. Department of Energy; available from the office of Robert San Martin, DOE Division of Solar Technology, Washington, D.C. 20585 (June 1979)
(6) "Photovoltaic Conversion of Solar Energy for Terrestrial Applications" by the Jet Propulsion Laboratory; available from JPL, California Institute of Technology (1974, 54 pages)
(7) "Solar Cell Array Design Handbook: The Principles and Technology of Photovoltaic Energy" by Hans S. Rauschenbach; available from Van Nostrand Reinhold 135 West 50th Street, New York, N.Y. 10020 (560 pages, 1980, $42.50)
(8) "Photovoltaic Systems: Program Summary" by the Office of Solar, Geothermal, Electric & Storage Systems, U.S. Department of Energy, Washington, D.C 20585 (12/78, 360 pages, $12.50; report #DOE/ER-0075); available from NTIS, 5285 Port Royal Rd., Springfield, VA 22161
(9) "Photovoltaics: Solar Electric Power Systems" by PRC Energy Analysis Company for the Solar Energy Research Institute; available from the Government Printing Office, Washington, D.C. 20402 (2/80, 20 pages, stock #061-000-00393-2)
(10) "Solar Cells" edited by Dr. E.W. Williams; available from the Publication Sales Department, Institution of Electrical Engineers, PO Box 26, Hitchin, Herts. SG5 1SA, England (1978, 96 pp, $33.60)
(11) "Sharing the Sun: Vol. 6 - Photovoltaics & Materials" edited by K.W. Boer; published by the American Section of the International Solar Energy Society, 300 State Road 401, Cape Canaveral, FL 32920 (1976, 348 pages
(12) "National Photovoltaic Program: Multi-Year Program Plan" by the U.S. Department of Energy; available from the Division of Solar Technology, Washington, D.C. 20585 (6/6/79, 75 pages, report # DOE/ET-0105-D)

ORGANIZATIONAL RESOURCES

(1) ARCO Solar, 9701 Lurline Avenue, Chatsworth, CA 91311 (213-998-0667)
(2) McGraw-Edison Company, Power Systems Division, P.O. Box 28, Bloomfield, N.J. 07003 (201-751-3700)
(3) Motorola Semiconductor Product, 5005 East McDowell Road, Phoenix, AZ 85008 (602-244-5459)
(4) Photon Power, 10767 Gateway West, El Paso, Texas 79935 (915-593-2861)



"Well, what do you know? It works."

(5) Silicon Material Inc., 341 Moffett Blvd., Mountain View, CA 94943 (415-965-9890)
(6) SES, Inc., One Tralee Industrial Park, Newark, DE 19711 (320-731-0990)
(7) Columbia Chase Solar Energy, 55 High Str-et, Holbrook, MA 02343 (617-767-0513)
(8) Mobil-Tyco Solar Energy Co., 16 Hickory Drive, Waltham, MA 02154
(9) Optical Coating Lab., Inc., 15251 East Don Juan Road, City of Industry, CA 91746 (213-968-6581)
(10) Sensor Technology, Inc., 21012 Lassen Street, Chatsworth, CA 91311 (213-882-4100)
(11) Silicon Sensors, Inc., Highway 18 East, Dodgeville, WI 53533 (608-935-2707)
(12) Solar Power Corp., 5 Executive Park Drive, North Billerica, MA 01862 (617-667-8376)
(13) Spire Corp., Patriots Park, Bedford, MA 01730 (617-275-6000)
(14) Texas Instruments Solar Group, 13500 W. Central Expressway, Dallas, Texas 77001 (214-238-2011)
(15) Solenergy Corp., 23 North Avenue, Wakefield, MA 01880 (617-246-1855)
(16) Solarex Corp. 1335 Piccard Drive, Rockville, MA 20850 (301-948-0202)
(17) Sun Trac Corp., 1674 South Wolf Road, Wheeling, IL 60090; (312-541-2095)
(18) Sollos Inc., 2331 Carmelina Avenue, Los Angeles, CA 90064 (213-820-5181)
(19) Solec International, Two Century Plaza, Suite 484, 2049 Century Park East, Los Angeles, CA 90067
(20) Edmund Scientific Co., 552 Edscorp Bldg., Barrington, N.J. 08007
(21) Solectro-Thermo, Inc., 1934 Lakeview Avenue, Dracut, MA 01826 (617-957-0028)

OTHER ORGANIZATIONAL RESOURCES:

(1) Cameron Farm Project, P.O. Box 85, Cameron, AZ 86020; attn: Ross Smallcanyon (602-679-2219)
(2)Papago Tribal Council, attn: Louis Rosenblum, Schuchuli Village, AZ (216-433-4000, ext. 301)
(3) Southern Railway, attn: William F. Geeslin, P.O. Box 1808, Washington, D.C. 20013 (202-383-4000)
(4) Oregon Solar Institute, 637 S.E. Harrison, Portland, OR 97214 (503-232-4741)
(5) South Florida Water Management District, attn; Martin A. Antman, P.O. Box V, West Palm Beach, FL 33402 (305-686-8800)
(6) Granite Place Apartments, attn: Peter & William O'Connell, Granite Street, Quincy, MA 02169 (617-773-6255)
(7) Bakewell Corporation, attn: Ted Bakewell & Michael Jantzen, 8820 Ladue Road, St. Louis, MO 63124 (314-862-5555 and 618-765-2445)
(8) Mississippi County Community College, attn: Harry V. Smith, Blytheville, AR 72315 (501-762-1020)
(9) Lea County Electric Co-op, P.O. Box 1447, Lovington, N.M. 88260; attn: Mike James (505-396-3631)

GEOTHERMAL RESOURCES

NEWSLETTERS & PERIODICALS

(1) "Geothermal Energy Journal" from Geothermal Energy; editorial offices: 18014 Sherman Way, #169, Reseda, CA 91335 (monthly)
(2) "The Geyser" newsletter, c/o The Geyser, P.O. Box 1738, Santa Monica, CA 90406 (a bi-weekly trade publication, 4 pages/issue; inquire as to price)
(3) "National Geothermal Service" available from Petroleum Information Corporation, P.O. Box 2612, Denver, CO 80201 ($420/year; issued weekly); they also distribute "Geothermal Completion Cars" ($120/year, monthly) as well as other info on geothermal.

BOOKS & REPORTS

(1) "Geothermal World Directory (1977/1978 edition) by the Geothermal World Directory Corp., P.O. Box 997, Glendora, CA 91740 (1977, $40, 500 pages)
(2) "A Technology Assessment of Geothermal Energy Resource Development" by the Futures Group, Glastonbury, CT 06033 (NSF-RA-Z-75-011); $6, 500 pages
(3) "Assessment of Geothermal Resources in the United States by the U.S. Geological Survey from the Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlingon, VA 22202 (Circular 726, 1975, 155 pages)
(4) "Geothermal Energy As a Source of Electric Power" by Stanley Milora and Jefferson Tester, from the MIT Press, 28 Carleton Street, Cambridge, MA 02142 (1976, $14.95, 186 pages)
(5) "Geothermal Energy and the Law" by Christopher D. Stone & Jack McNamara; completed at the University of Southern California in Los Angeles for the National Science Foundation (RANN); Report #AER-75-09194; NSF-RA-S-00-000 (September 1975)
(6) "Geothermal Energy: Legal Problems of Resource Development" by Michael Lindsey & Paul Supton, from the Environmental Law Society, Stanford Law School, Stanford, CA 94305 (1975, 150 pages)
(7) "Geothermal Energy 1975" by Edward Berman from Noyes Data Corporation, Mill Road at Grand Avenue, Park Ridge, N.J. 07656 (1975, $24.00)
(8) "Geothermal Energy" by William W. Eaton, from the U.S. Department of Energy, Office of Public Affairs, Washington, D.C. 20545 (1975, free of charge, 42 pages)
(9) "Geothermal Energy Program" by the National Science Foundation; available from the U.S. Government Printing Office, Washington, D.C. 20402 (stock #038-000-00283-0; 1976, 34 pages, 85¢)
(10) "Proceedings of the First U.S. Geopressurized Geothermal Energy Conference" by the Center for Energy Studies, University of Texas at Austin, Texas 78712 (360 pages, $12.50)
(11) "Economic Study of Low-Temperature Geothermal Energy in Lassen & Modoc Counties" by VTN Consolidated and CSL Associates; available from the Geothermal Energy & Fuels Office, Energy Resources Conservation & Development Commission, 1111 Howe Avenue, Sacramento, CA 95825 (1977, 87 pages, $4.50)
(12) "A Symposium of Geothermal Energy and Its Direct Uses in the Eastern United States" by the Geothermal Resources Council, P.O. Box 98, Davis, CA 95616 (4/79, 100 pages, $2.50); also available is "Direct Utilization of Geothermal Energy: A Symposium" (1978, 145 pages, $2.50)
(13) "Geothermal Resources and Technology in the United States" by the Committee on Nuclear & Alternative Energy Systems; available from the National Academy of Sciences, Office of Publications, 2101 Constitution Avenue, Washington, D.C. 20418 (1979, 53 pages, $5.50)

(14) "Hydrothermal Energy Systems FY 1977" by the U.S. Energy Research & Development Administration; available from the National Technical Information Service 5285 Port Royal Road, Springfield, VA 22161 (1977, 75 pages, $5.00)
(15) "Proceedings of the First National Geothermal Conference" by the Geothermal Energy Association, Box 752, Azusa, CA 91702 (1976, $10.00)
(16) "The Basics of Applied Geothermal Engineering" by Edward F. Wehlage; available from Geothermal Information Services, 318 Cherrywood Street, West Covina, CA 91791 (1977, 230 pages, $25); also available from the same publishers are: "Nature's Teakettle" by Hydee Small (213 pages); and "The Geothermal Steam Story" by Rudolph Birsic (138 pages)
(17) "Western Energy Resources and the Environment: Geothermal Energy" by Resource Planning Associates for the Environmental Protection Agency, Office of Research & Development, Office of Energy, Materials, and Industry, Washington, D.C. 20460 (1977, 103 pages, report #EPA-600/9-77-010)
(18) "Guidelines to the Preparation of Environmental Reports for Geothermal Development Projects" by the Energy Research & Development Administration; available from the U.S. Department of Energy, Washington, D.C. 20585 (2/77, 70 pages, report #ERHQ-0001)
(19) "Geothermal Resources: Exploration & Exploitation A Bibliography" by the Energy Research & Development Administration; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (7/76, $16.25, 300 pages, report # TID-3354-R1)
(20) "Geothermal Energy Update" by the U.S. Department of Energy; available from the Technical Information Center, P.O. Box 62, Oka Ridge, TN 37830 (12/78, 150 pages, report #GEU-78/12)

ORGANIZATIONAL RESOURCES

(1) Sierra Club, c/o Dr. Hamilton Hess, Geothermal Task Force, 255 Ursuline Road, Santa Rosa, CA 95401
(2) Geothermal Resources Council, P.O. Box 98, Davis,

CA 95616 (916-758-2360)
(3) Los Alamos Scientific Laboratory, c/o Morton C. Smith, University of California, P.O. Box 1663, Los Alamos, N.M. 87545
(4) Susanville Geothermal Energy Project (c/o Phillip A. Edwards, 66 N. Lassen Street, Susanville, CA 96130 (916-257-7259)
(5) Geothermal Information Service, 318 West Cherrywood Street, West Covina, CA 91791
(6) International Society for Geothermal Engineering, P.O. Box 4743, Whittier, CA 90607
(7) Geothermal Energy Program, California Division of Oil & Gas, 1416 9th Street, Sacramento, CA 95814
(8) U.S. Geological Survey, attn: Geothermal Energy Coordinator, c/o U.S. Department of the Interior, Washington, D.C. 20240
(9) Geothermal Program, Energy & Environment Division, Lawrence Berkeley Laboratory, University of California, Berkeley, CA 94720
(10) Geothermal Energy Program, U.S. Department of Energy, Forrestal Building, Washington, D.C. 20585
(11) Geothermal Studies Program, Center for Energy Studies, University of Texas at Austin, Engineering Science Building, Austin, Texas 78712
(12) Boise Geothermal System, c/o Idaho State Energy Office, attn: Phil Hanson (Project Director), P.O. Box 500, Boise, Idaho 83701 (208-384-4013)

MANUFACTURERS:

(1) Thermal Power Company, attn: Tony R. Amor, 601 California Street, San Francisco, CA 94108
(2) Nevada Power Company, attn: John W. Arlidge, P.O. Box 230, Las Vegas, Nevada 89151
(3) Lawrence H. Axtell, Axtell Resources, Inc. 645 San Julio Road, Solina Beach, CA 92075
(4) Ronald C. Barr, Earth Power Corporation, P.O. Box 1566, Tulsa, OK 74101
(5) C.W. Berge, Phillips Petroleum Company, P.O. Box 239, Salt Lake City, Utah 84110
(6) David R. Butler, Chevron Resources Company, 320 Market Street, P.O. Box 3722, San Francisco, CA 94119
(7) Geothermal Services, Inc, attn: Dr. Jim Combs, 10072 Willow Creek Road, San Diego, CA 92131
(8) Anadarko Production Company, attn: Robert C. Edmiston, P.O. Box 1330, Houston, Texas 77001
(9) Big Chief Drilling Company, attn: William A. Glass, P.O. Box 14837, Oklahoma City, OK 73114
(10) Geothermal Kinetics, 301 West Indiana School Road, Phoenix, AZ 85013
(11) Geothermal Power Company, 1460 West Water Street, Elmira, N.Y. 14905
(12) New Energy Systems, Inc., 29456 Indiana Valley Rd., Rolling Hills, CA 90274
(13) Phoenix Geophysics, 818 West Miracle Mile, Tucson, Arizona 85705
(14) Intercontinental Energy Corp., attn: Bob Greider, P.O. Box 17529, Denver, CO 80217
(15) Imperial Magma, attn: Thomas C. Hinrichs, P.O. Box 2082, Escondido, CA 92025
(16) The Ben Holt Company, 201 South Lake Avenue, Pasadena, CA 91101
(17) Aminoil USA, Inc., attn; Claude B. Jenkins, P.O. Box 11279, Santa Rosa, CA 95406
(18) GeothermEx, attn: James B. Koenig, 901 Mendocino Avenue, Berkeley, CA 94707
(19) Energy Services Division, Forsgren, Perkins Assoc, attn: Dr. Jay F. Kunze, Rexberg, ID 83440
(20) Rogers Engineering Company, attn: James T. Kuwada, 111 Pine Street, 6th floor, San Francisco, CA 94111
(21) Woodward-Clyde Consultants--Western Division, 3467 Kurtz Street, San Diego, CA 92110
(22) American Geothermal Energy, Inc., 1102 Walker Bank Building, Salt Lake City, Utah 84111
(23) Bendix-United Geophysical Corp., 2650 East Foothill Blvd., Pasadena, CA 91109
(24) Camay Drilling Company, 4250 Wilshire Blvd., Los Angeles, CA 90010
(25) DDS Engineers, Inc., 7483 Northwest 4th Street, Fort Lauderdale, FL 33304

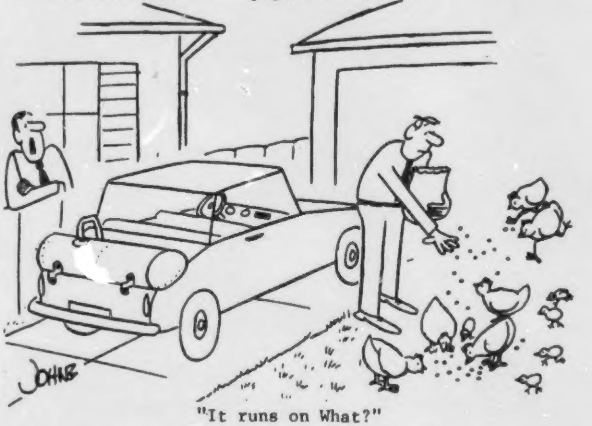
METHANE

NEWSLETTERS & PERIODICALS

(1) "Alternative Sources of Energy" magazine; see regular feature: "Al Rutan, the Methane Man"; available from ASE, Route 2, Milaca, MN 56353 ($6/year)
(2) "Compost Science/Land Utilization: Journal of Waste Recycling" magazine; available from Rodale Press, 33 East Minor Street, Emmaus, PA 18049 (bimonthly journal, $15/year)
(3) "Mother Earth News" (see in particular issues #3, 10, 12, 18, 20, 23, 25, & 32); available from MEN, P.O. Box 70, Hendersonville, NC 28739 ($12/year)
(4) "Resource Recovery Report" newsletter; published by Frank McManus, 1707 "H" Street, N.W., Stuite 607, Washington, D.C. 20006 ($48/year; monthly, 6 pages)

BOOKS & REPORTS

(1) "Energy Agriculture & Waste Management" by William J. Jewell; available from Ann Arbor Science Publishers, P.O. Box 1425, Ann Arbor, MI 48106 (1975, 540 pages)
(2) "Methane on the Move" by Bio-Gas of Colorado; available from BioGas, 5620 Kendall Court, Unit G, Arvada, CO 80002 (1977, 95 pages, $2.00)
(3) "Practical Building of Methane Power Plants" by L. John Fry; available from the author, 1223 N. Napel Street, Santa Barbara, CA 93103 (1974, 96 pages, $12.00)
(4) "Producing Your Own Power" by Carol Hupping Stoner (editor); available from Rodale Press, Emmause, PA (1974, 322 pages, $8.95)
(5) "The Nuclear Alternative" by Karl Keyerleber; available from Naturai P.O.W.W.E.R., 6031 St. Clair Ave., Cleveland, Ohio 44103 (1977, 140 pages)
(6) "Energy We Live With: Approaches to Energy That Are Easy on the Earth and Its People" by Daniel Wallace; available from Rodale Press, Inc., Emmaus, PA 18049 (1976, 150 pages, $3.95)



"It runs on What?"

(7) "Biogas Production from Animal Manure" by the Bio-

mass Energy Institute, Inc., 304-870 Cambridge St., Winnipeg, Manitoba, CANADA (1978 21 pages)

(8) "Utilization of Biogas for Farm Energy Production" by D.W. Williams et al; available from the Institure for Man and Environment, College at Plattsburgh, State University of New York, Miner Center, Chazy, N.Y. 12921

(9) "Anaerobic Fermentation of Agricultural Residue: Potential for Improvement and Implementation" by Dr. William Jewell (NY State College of Agricultural & Life Sciences, Cornell University, Ithaca, N.Y. 14853); available from NTIS, 5285 Port Royal Rd., McLean, VA 22161

(10) "Energy from Bioconversion of Waste Materials" by Dorothy DeRenzio; available from Noyes Data Corporation, Park Ridge, N.J. (1977, 223 pages, $32.00)

(11) "Bioconversion of Agricultural Wastes for Pollution Control and Energy Conservation" by W.J. Jewell et al; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1976, 321 pages, $10); report #TID-27164)

(12) "The Do's and Don't's of Methane" by Al Rutan; available from Rutan Publishing, P.O. Box 3585, Minneapolis, MN 55403 (1975/79, 160 pages)

ORGANIZATIONAL RESOURCES

(1) Reserve Synthetic Fuels, 1602 Monrovia Street, Newport Beach, CA 92663

(2) Oasis-2000, UW-Center, Barron County, Rice Lake, WI 54868

(3) CACHE, Inc., c/o Yvonne Comissiong, 10 Church St., Liberty, N.Y. 12754

(4) Bio-Gas of Colorado, 342 East Third Street, Loveland, CO 80437

(5) Ecotope Group, 2332 East Madison, Seattle, Washington 98112

(6) Biomass Energy Institute, Inc., 304-870 Cambridge Street, Winnipeg, Manitoba, CANADA

(7) New Life Farm, Drury, Missouri 65637 (417-261-2204)

(8) Heying Enterprises, 704 West Bradford, West Union IA 52175; attn: Josephine Heying (319-422-3939)

(9) Agricultural Energy Corp., attn: Jerry Molstrom, 4919 N. Beaune, Ludington, MI 49431 (616-843-4287)

(10) Charles Besser, 2800 Commonwealth Avenue, Charlotte, N.C. 28205 (704-334-3233)

(11) R. Charles Vowell, Box 154, Unalaska, AK 99685 (907-581-1204)

(12) Micro-Environment Research Group, attn: Bjorn Lunde, 6549 Palatine North, Seattle, WA 98103 (206-789-4058)

WIND POWER

NEWSLETTERS & PERIODICALS

(1) "Wind Engineering" available from Multi-Science Publishing Co., Ltd., The Old Mill, Dorset Place, London, E15 10J, England (quarterly, $44/year); provides technical articles & current research on wind and energy systems

(2) "Wind Technology Journal" available from P.O. Box 7, Marston Mills, MA 02648 (quarterly, $15/year); provides state-of-the-art research on wind energy conversion & use

(3) "Windletter" -- newsletter of the American Wind Energy Association, 1621 Connecticut Avenue, N.W., Washington, D.C. 20009 ($10/year, monthly)

(4) "Wind Power Digest" available from AWEA (see address above); ($8/year for non-members, quarterly)

(5) "Wind Energy Report" available from Wind Publishing Company, P.O. Box 14, Rockville Centre, New York 11571 ($95/year, monthly); provides international news of wind power developments

BOOKS & REPORTS

(1) "Federal Wind Energy Program" by the Wind Systems Branch of the Division of Solar Energy/ERDA; available from the U.S. Department of Energy, Publications Office, Washington, D.C. 20585 (January 1977, 58 pp)

(2) "Wind Energy Systems: Program Summary" by the U.S. Department of Energy; available from the NTIS, 5285 Port Royal Road, Springfield, VA 22161 ($7.25, 1978, 130 pages, report #DOE/ET-0093)

(3) "Legal-Institutional Implications of Wind Energy Conversion Systems" by Arthur F. Konoka, Esq.; available from the Program of Policy Studies in Science & Technology, George Washington University, Washington, D.C. 20052 (September 1977, 320 pages, $4.75, report #NSF/RA-770203); also available from the U.S. Government Printing Office, Washington, D.C. 20402 (stock #038-000-00339-9)

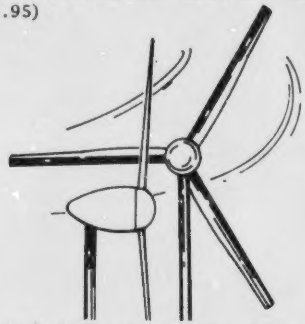
(4) "Windmill Power for City People" by the New York City Energy Task Force; available from the Task Force, 156 Fifth Avenue, New York, N.Y. 10010 (1977, 65 pages)

(5) "Fundamentals of Wind Energy" by Nicholas P. Cheremisinoff; available from Ann Arbor Science, P.O. Box 1425, Ann Arbor, MI 48106 (1978, 170 pages)

(6) "Wind Power: Recent Developments" by the Noyes Data Corporation; available from NDC, Publicity Department, Mill Road at Grand Avenue, Park Ridge, NJ 07656 (1979, 346 pages, $36)

(7) "Wind Report" by the Massachusetts Energy Office; available from the MA Energy Office, 73 Tremont Ave., Boston, MA (1978, 100 pages)

(8) "Catch the Wind: A Book of Windmills and Windpower" by Landt Dennis; available from Four Winds Press, 50 West 44th Street, New York, N.Y. 10036 (114 pages, 1976, $7.95)



(9) "Simplified Wind Power Systems for Experimenters" by Jack Park; available from Helion Inc., Box 445, Brownsville, CA 95919 (1975, 80 pages, $6.00)

(10) "Food From Windmills" by Peter Fraenkel; available from Intermediate Technology, 9 King Street, London, ENGLAND WC2E 8HN (1975, 65 pages)

(11) "Windpower Principles: Their Application on the Small Scale" by N.G. Calvert; available from John Wiley & Sons, Inc., One Wiley Drive, Somerset, N.J. 08873 (1979, 122 pages, $17.95)

(12) "A Simple Solution to the Energy Problem" by Stephen Tarver; available from Wyoming Specialties, Inc., Gillette, WY (1975, 88 pages)

(13) "Wind Energy Bibliography" by Windworks, Box 329, Route 3, Mukwonago, WI 53149 (1974,35 pages)

(14) "The Homebuilt Wind-Generated Electricity Handbook" by Michael Hackleman; available from Peace Press, 3828 Willat Avenue, Culver City, CA 90230 (1976, 194 pages, $8.00)

(15) "Harnessing the Wind for Home Energy" by Dermot McGuigan; available from Garden Way Publishing,

Charlotte, VT 05445 (1978, 134 pages, $4.95)

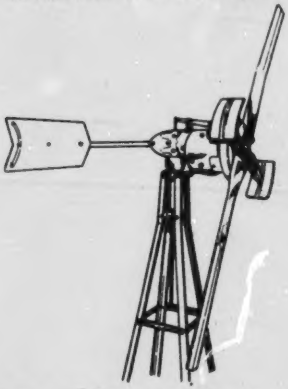
(16) "Wind-Catchers: American Windmills of Yesterday and Tomorrow" by Volta Torrey; available from the Stephen Greene Press, Brattleboro, VT (1976, 225 pages, $12.95)

(17) "Wind and Windspinners: A Nuts and Bolts Approach to Wind-Electric Systems" by Michael Hackleman; available from Earthmind, Boyer Road, Mariposa, CA 95338 (1974, 138 pages, $8.00)

(18) "The Wind Book: Electric Power From the Wind" by Ian Hornby; available from Pollution Probe-Ottawa, 53 Queen Street, Ottawa, CANADA K1P 5C5 (1976, 33 pages, $1.95)

(19) "Energy From the Wind: An Annotated Bibliography" by Barbara L. Burke & Robert N. Meroney; available from the Solar Energy Applications Laboratory, Colorado State University, Foothills Campus, Fort Collins, CO 80523 (1975, 100 pages)

(20) "Helion Model 12/16: Windmill Plans" by Helion, Box 445, Brownsville, CA 95919 (1975, 30 pages)



(21) "Wind Energy Information Directory" by the Solar Energy Research Institute; available from the Government Printing Office, Washington, D.C. 20402 (1979; stock #061-000-00350-9)

(22) "Wind Machines" by Frank Eldridge; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1975, 77 pages, $2.25)

(23) "A Siting Handbook for Small Wind Energy Conversion Systems" by H. Wegley, M. Orgill & R. Drake; available from the National Technical Information Service, 5285 Port Royal Rd., Springfield, VA 22161 (1978, 132 pages, $7.00)

(24) "Site Selection and Evaluation Handbook for Wind Energy Systems" by Steven Blake; available from Sunflower Power Company, Route 1, Box 93-A, Oskaloosa, KS 66066 (1979, 60 pages, $8.50)

(25) "Wind Mission Analysis: Final Report-Executive Summary" by the General Electric Corp., Space Division; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1977, 26 pages, $4.00; report #COO-2578-1/1)

(26) "Wind Energy Mission Analysis: Final Report-Executive Summary" by Lockheed-California Company; available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1976, 30 pages, $4.00, report #SAN/1075-1/3)

(27) "Index-Summarized Wind Data" by W.T. Changery, W. T. Hodge & J.V. Ramsdell; Battelle Pacific Northwest Laboratory, Richland, WA 99352; available also from NTIS (1977, 246 pages, $9.50; report #BNWL-2220, WIND)

AUDIOVISUALS:

(1) "Windcatchers"--discusses history of wind energy; describes current development of wind energy technologies, progressing from small machines to large machines; available from Evelyn Messinger, 519 Castro St., San Francisco, CA 94114 (415-626-3131); videocassette, 30 minutes, 1979

(2) "Generation on the Wind"--documents the experiences of five young men who designed and constructed the Cuttyhunk 220 kw wind generator turbine; contact David Vassar, c/o Pla Associates, 930 "F" St, N.W., #800, Washington, D.C. 20011 (202-628-0900); 16 mm, color, 58 minutes, 1979

(3) "Gusts of Power"--describes rural and agricultural applications including deep well pumping and irrigation; contact: DOE Film Library, P.O. Box 62, Oak Ridge, TN 37830; 16 mm, color, 14 minutes, 1979

ORGANIZATIONAL RESOURCES

(1) American Wind Energy Association, attn: Ben Wolff, 1621 Connecticut Ave., N.W., Washington, D.C. 20009 (202-667-9137)

(2) Lorenzen Farm, attn: John Lorenzen, Woodward, IA 50276 (515-438-2503)

(3) Vito Maglio, (farm wind system), 5 Curriden Avenue, Clarksboro, N.J. 08020 (609-423-5080)

(4) Cuttyhunk Island Windmill, New Bedford, MA 02743; contact: Alfred Gross, WTG Energy Systems, 251 Elm St., Buffalo, N.Y. 14203 (716-856-1620)

(5) The Bronx Frontier Corporation, attn: Irma L. Fleck, 738 Kelly Street, Bronx, N.Y. 10455 (212-542-4640)

(6) The Eleventh Street Movement, attn: Edwin Sosa, 519 East 11th St., New York, N.Y. 10009 (212-982-1460)

(7) Dave Hamilton (uses a wind-powered oil pump), Culbertson Avenue, Worland, WY 82401 (307-347-2223)

(8) Chelsea Middle School, attn: Tom Cameron, 204 E. 4th Street, Chelsea, OK 74016 (918-789-2366)

(9) Charlie Hall's Research Center (do-it-yourself windmill classes), Box 512, Barre, VT 05641 (802-439-5519)

(10) Girl Scout Council of the St. Croix Valley, attn: Jane Crosby, 400 South Robert St., St. Paul, MN 55107 (612-227-8835)

(11) CA Department of Water Resources, Energy Division, P.O. Box 388, Sacramento, CA 95802; attn: Robin Reynolds (916-322-2080)

GOVERNMENT RESOURCES:

(1) U.S. Department of Energy, attn: Louis V. Divone, Wind Energy Program, Mail Station 3-168, 20 Massachusetts Ave., N.W., Washington, D.C. 20545 (202-376-4460); info on federal gov't wind energy program

(2) NASA Lewis Research Center, attn: Technology Utilization Office, 21000 Brookpark Rd., Cleveland, Ohio 44135 (216-433-4000; ext. 6832/6833); info on large horizontal-axis wind generators

(3) Sandia Laboratories; attn: Wind Systems Program, Division 4715, Albuquerque, N.M. 87185 (505-264-3850) information on vertical-axis (Darrieus) wind systems

(4) Rockwell International Energy Systems Group; attn: Wind Energy Program, Rocky Flatts Plant, P.O. Box 464, Golden, CO 80401 (303-441-1300); this is the test center for small-scale wind systems

(5) National Bureau of Standards; attn: George Lewitt, Chief, Office of Energy-Related Inventions, Washington, D.C. 20234; evaluation of wind-energy ideas

(6) Pacific Northwest Laboratory, attn: Wind Energy Program, Battelle Blvd., P.O. Box 999, Richland, WA 99352 (509-942-4410); info on site selection

(7) Solar Energy Research Institute, Wind Energy Program, 1617 Cole Blvd., Golden, CO 80401 (303-231-1158)

(8) U.S. Department of Agriculture; attn: Agricultural Research Services, Beltsville, MD 20705 (202-447-3504); info on rural wind energy applications

(9) National Climatic Center; attn: Environmental Data & Information Service, Federal Building, Ashville,

N.C. 28801 (707-258-2850); provides info on wind data & available summaries for or near a given site.

MANUFACTURERS & WIND GENERATOR DEALERS:

(1) Aeroelectric, 13517 Winter Lane, Cresaptown, MD 21502
(2) Aeropower, 2398 4th St, Berkeley, CA 94710
(3) Aerowatt S.A., c/o Automatic Power, P.O. Box 18783, Houston, TX 77023
(4) Altos Corporation, P.O. Box 905, Denver, CO 80302
(5) Amerenalt Systems, P.O. Box 905, Boulder, CO 80302
(6) American Wind Turbine Co., Inc., 1016 East Airport Road, Stillwater, OK 74074
(7) Astral/Wilcon, P.O. Box 291, Milbury, MA 01527
(8) Bertolia Studio, 644 Main St., Bally, PA 19503
(9) Bucknell Engineering Co., Inc., 10717 East Rush St., South El Monte, CA 91733
(10) Jay Carter Enterprises, P.O. Box 674, Burkburnett, TX 76364
(11) Dakota Wind & Sun Limited, P.O. Box 1781, Aberdeen, S.D. 57401
(12) Dunlite Electrical Products Inc., Division of PYE Inc., c/o Enertech Corp., P.O. Box 420, Norwich, VT
(13) Dynergy Corporation, P.O. Box 427, 1269 Union Ave., Laconia, N.H. 03246
(14) Energy Development Co., 179 E.R.D. #2, Hamburg, PA 19520
(15) Enertech Corporation, P.O. Box 420, Norwich, VT
(16) Grumman Energy Systems, 4175 Veterans Memorial Highway, Ronkonkoma, N.Y. 11779
(17) Hinton Research, 417 Kensington, Salt Lake City, Utah 84115
(18) Independent Energy Systems, Inc., 6043 Sterrettania Road, Fairview, PA 16415
(19) Kedco, Inc.,9016 Aviation Blvd., Inglewood, CA 90301
(20) Megstech Corp., 29 Cook St., Billerica, MA 01866
(21) Mehrkam Energy Development Co., 179 E. R.D. 2, Hamburg, PA 19526
(22) Millville Windmills & Solar Equipment, Box 32, 10335 Old 44 Drive, Millville, CA 96062
(23) North Wind Power Co., P.O. Box 315, Warren, VT 05674
(24) Pinson Energy Corp., P.O. Box 7, Marston Mills, Me 02643
(25) Power Group International Corp., 13315 Stueber Airline rd., Suite 106, Houston, TX
(26) Product Development Institute, 4440 Secor Rd., Toledo, OH 43623
(27) Seccenbaugh Wind Electric, P.O. Box 1174, Palo Alto, CA
(28) Solar Wind Company, R.F.D. #2, East Holden, Me 04011
(21) Tumac Industries, 650 Fort Street, Colorado Springs, CO 80915

(22) Whirlwind Power Company, 2458 W. 29th Avenue, Denver, CO 80211
(23) Winco-Division of Dyna Technology Inc., 7850 Metro Parkway, Minneapolis, MN 55420
(24) Wind Power Systems, Inc., P.O. Box 17323, San Diego, CA 92121
(25) Windworks, Rt. 3, Box 49-A, Wunkwonago, WI 53149
(26) W.T.G. Energy Systems, Box 87, 1 LaSalle St., Angola, N.Y. 14006
(27) Zephyr Wind Dynamo Co., P.O. Box 241, 21 Stamwood Street, Brunswick, Maine 04011

WATER PUMPING WINDMILLS:

(1) Aeromotor, Division - Braden Industries, P.O. Box 1364, Conway, AR 72032
(2) Bowjon, 2829 Burton Avenue, Burbank, CA 91504
(3) Dempster Industries, Inc., 711 South Sigh St., Beatrice, NE 68310
(4) The Heller Aller Co., Perry & Oakwood Street, Napolean, Ohio 43545
(5) O'Brock Windmill Sales, Rt. 1-12 St., North Beacon, Ohio 44449
(6) Wadler Mfg. Co., Route 2, Box 76, Galena, KS 66739

PLANS & KITS:

(1) Dragonfly Wind Electric, P.O. Box 155, Elk, CA 95432
(2) Earth Mind, 2651 O'Josel Drive, Saugus, CA 91350
(3) Flanagan's Plans,2032 23rd St., Astoria, NY 11105
(4) Forrestal Campus Library, Princeton University, Princeton, N.J. 08540
(5) Homecraft, 2350 West 47th St, Denver, CO 80211
(6) Jack Park, Box 4301, Sylmar, CA 91342
(7) Windy Ten, Box 111, Shelby, MI 49445

COMPONENTS & TOWERS:

(1) Natural Power, Inc., Francestown Turnpike, New Boston, NH 03070
(2) Unafco-Rohn, 6718 West Plank Rd., Peoria, IL 61656

WIND TURBINE BLADES:

(1) Gurnard Mfg. Corp., 100 Airport Road, Becerly, MA 01915
(2) Senich Corp., Box 1168, Lancaster, PA 17609

WIND MEASUREMENTS:

(1) Aircraft Components, North Shore Drive, Benton Harbor, MI 49022
(2) Bendix Environment & Process Instruments Division, 1400 Taylor Ave., Baltimore, MD 21204

INVERTERS:

(1) Allied Electronics, 1355 N. McLean Blvd., Elbin, IL 60120
(2) Eico Electronics Co., 108 New South Road, Hicksville, N.Y. 11801
(3) Electro Sales Co., In.c, 100 Fellswya West, Sommerville, MA 02145

UTILITIES

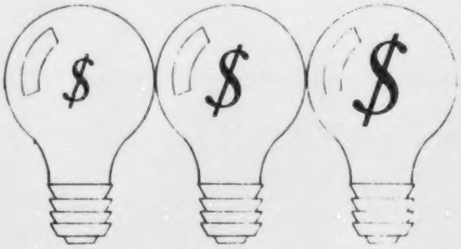
NEWSLETTERS & PERIODICALS

(1) "The Power Line" from Environmental Action Foundation, Utility Project, 1346 Connecticut Avenue, N.W., 7th floor, Washington, D.C. 20036 ($15.00/year; $35 for profit-making businesses, monthly)
(2) "The Public Works" from the Community Ownership Project, 349 62nd Street, Oakland, CA 94618
(3) "Public Power" from the American Public Power Association, 2600 Virginia Avenue, N.W., Washington, D.C. 20037 (bi-monthly, 100+ pages/issue, $8.50/yr.) ask for a copy of their "Directory" issue)
(4) "Rural Electrification" from the National Rural Electric Cooperative Association, 2000 Florida Ave., N.W., Washington, D.C. 20009 (monthly, $5/year)
(5) "Action Power" from Carolina Action, P.O. Box 1985, Durham, N.C. 27702 (monthly)
(6) "Public Action News" from the Illinois Public Action Council, 59 East Van Buren Street, Chicago, IL 60605 (monthly $15/year)

(7) "Citizens' Power" from the Citizens' Energy Coalition Education Fund, 3620 North Meridian Street, Indianapolis, IN 46208
(8) "OUR Newsletter" from Ohioans for Utility Reform, P.O. Box 10006, Columbus, Ohio 43201
(9) "Just Economics" from the Movement for Economic Justice, 1605 Connecticut Avenue, N.W., Washington, D.C. 20009 (bi-monthly, $12/year)
(10) "EPRI Journal" from the Electric Power Research Institute, P.O. Box 10412, Palo, Alto, CA 94303

BOOKS & REPORTS

(1) "Energy: Conservation& Public Policy" edited by John Sawhill (see chapter entitled: "Improving the Efficiency of Electricity Generation & Usage" by Douglas Bauer & Alan Hirshberg); available from Prentice Hall, Englewood Cliffs, N.J. 07632
(2) "Utility Scoreboard" edited by Deborah Schoch; available from the Utility Project, Environmental Action Foundation, 1346 Connecticut Avenue, N.W., Washington, D.C. 20036 (1979, 51 pages, $3.50)
(3) "Values in the Electric Power Industry" edited by Kenneth Sayre; available from Ballinger Publishing Company, 17 Dunster Street, Cambridge, MA 02138 (1977, 294 pages, $6.95)
(4) "1978 Statistical Report" by Electrical World, c/o National Press Building, Washington, D.C. 20045 (3/15/78, 29 pages)
(5) "Dictionary of Utility Loopholes & Language" by the Coalition for Consumer Justice; available from CCJ, 410 Broad Street, Central Falls, RI 02863 (1977, 20 pages)
(6) "How to Challenge Your Local Electric Utility" by the Environmental Action Foundation, 1346 Connecticut Avenue, N.W., Washington, D.C. 20036 (1974, 105 pages, $3.50)
(7) "Money, Secrecy, and State Utility Regulation" by Common Cause, c/o State Issues Development, 2030 "M" Street, N.W., Washington, D.C. 20036 (1976, 59 pages)
(8) "Energy Related Advocacy for the Poor: Options for CSA Region III" by Fred D. Baldwin; available from the Energy Research Center, Syracuse Research Corporation, Syracuse, N.Y. 13210 (1978, 46 pages)
(9) "The MArginal Cost and Pricing of Electricity: An Applied Approach" by Charles Cicchetti et al; available from the Ballinger Publishing Company, 17 Dunster Street, Harvard Square, Cambridge, MA 02138 (1977, 291 pages)
(10) "The Lifeline Rate Concept" by the Office of Consumer Affairs/Special Impacts; available from the Office of Consumer Affairs, Department of Energy, Washington, D.C. 20585 (1975, 34 pages)
(11) "Phantom Taxes in Your Electric Bill" by Richard Morgan; available from the Environmental Action Foundation, 1346 Connecticut Avenue, N.W., Washington, D.C. 20036 (1976, 28 pages, $2.50)
(12) "Construction Work in Progress in the Public Utility Rate Base: A Consumer Viewpoint" by Professor J. Leslie Livingstone; c/o Georgia Institute of Technology, College of Industrial Management, Atlanta, GA 30332 (20 pages)
(13) "Implications of Residential Solar Space Conditioning on Electric Utilities" by Dr. Harold Lorsch; available from the Franklin Institute Research Laboratories, The Benjamin Franklin Parkway, Philadelphia, PA 19103 (1976, 200 pages)
(14) "Non-Conventional Incentives for the Adoption of Solar Energy Design: Peak Load Pricing" by Stephen Feldman and Bruce Anderson; available from the Solar Energy Design Project, Clark University, Worcester, MA 01610
(15) 'The Solar Energy/Utility Interface: Proceedings of Workshops & Conferences" by the U.S. Department of Energy (Topical Report: March 27-May 11, 1978); available from the National Technical Information Service (report #HCP/4202-1)
(16) "Electricity and the Environment" by the Special Committee on Electric Power and the Environment; available from the Association of the Bar of the City of New York, 42 West 44th Street, New York, N.Y. 10036 (1972, 400 pages)
(17) "The Price of Power: Electric Utilities and the Environment" by Ronald H. White; available from the Council on Economic Priorities, 84 Fifth Ave., New York, N.Y. 10011 (1977, 430 pages)
(18) "Health and Safety Effects of EHV Electric Transmission Lines: A Review of the Literature" by the Michigan Public Service Commission; available from the Commission, Attn: Secretary, 6545 Mercantile Way, Lansing, MI 48909 (1979, $5.00)
(19) "Problems in Planning and Constructing Transmission Lines Which Interconnect Utilities" by the Federal Power Commission; available from the U.S. General Accounting Office, Distribution Section, 441 "G" Street, N.W., Washington, D.C. 20548 (1977, 40 pp)
(20) "Proceedings of the First NAtional Symposium on Environmental Concerns in Rights-of-Way Management" edited by Dr. Robert Tillman; available from the Cary Arboretum of the New York Botanical Garden, Box AB, Millbrook, N.Y. 12545 (1977, 335 pp, $7.00)



(21) "Taking Charge: A New Look at Public Power" by Richard Morgan et al; available from the EAF Utility Project, 1346 Connecticut Avenue, N.W., Washington, D.C. 20036 (1977, 429 pages)
(22) "Electric Utility Fuel Adjustment Clauses" from the U.S. House of Representatives, Subcommittee on Oversight and Investigations, 2323 Rayburn Office Building, Washington, D.C. 20515 (1975)
(23) "Lifeline Legislative Packet" from the Conference on Alternative Local/State Policies, 2000 Florida Avenue, N.W., Washington, D.C. 20009 ($1.00)
(24) "Power Over People" by Louise B. Young; available from Oxford University Press, Box 900, Fairlawn, N.J. 07410 (1975, $2.95)

ORGANIZATIONAL RESOURCES

(1) Environmental Action Foundation's Utility Project, 1346 Connecticut Avenue, N.W., 7th floor, Washington, D.C. 20036
(2) National Rural Electric Cooperative Association, 2000 Florida Avenue, N.W., Washington, D.C. 20009
(3) National Association of Regulatory Utility Commissioners, P.O. Box 684, Washington, D.C. 20044
(4) Federal Energy Regulatory Commission, Office of Public Information, 825 North Capitol Street, N.E., Room 1000, Washington, D.C. 20426 (202-275-4006)
(5) Edison Electric Institute, 1140 Connecticut Avenue, N.W., Washington, D.C. 20036
(6) Northern Plains Resource Council, 419 Stapleton Building, Billings, MT 59101
(7) Community Ownership Organizing Project, 349 62nd Street, Oakland, CA 94618

(8) Consumer Energy Council of America, 1990 "M" Street, N.W., Suite 620, Washington, D.C. 20036
(9) Coalition of American Electric Consumers, Box 275 Castlewood, VA 24224
(10) Peoples Power Coalition of New York State, 196 Morton Avenue, Albany, N.Y. 12202 (the group has published "Questions & Answers on Public Power"
(11) Municipal Electric Utilities Association, 5 North Chapel Street, Sherburne, N.Y. 13460; publishes "News 'N' Views" newsletter

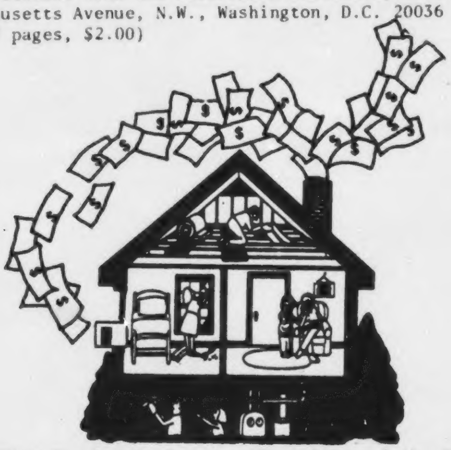
RESIDENTIAL ENERGY CONSERVATION

NEWSLETTERS & PERIODICALS

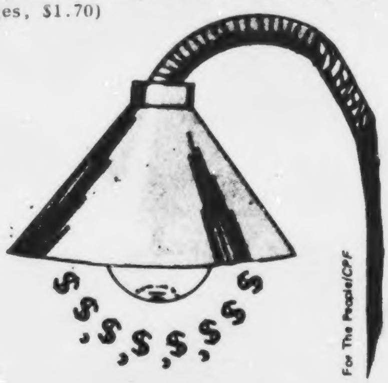
(1) "The Guide (to the Insulation, Roofing, Siding, Solar & Window Industries)" published by Custom Design Printing & Advertising, Box 508, 1111½ West St. Grinnell, IA 50112 (monthly)

BOOKS & REPORTS

(1) "99 Ways to a Simple Lifestyle" by Albert Fritsch et al; available from the Citizens' Energy Project, 1110 Sixth Street, N.W., Washington, D.C. 20001 (1976, 324 pages, $3.50)
(2) "Lifestyle Index" by Albert Fritsch & Anne Pierotti also available from the Citizens' Energy Project, (1977, 32 pages, $2.25)
(3) "The Good News About Energy" by the Council on Environmental Quality; available from C.E.Q., 722 Jackson Place, N.W., Washington, D.C. 20006 (1979, 55 pages)
(4) "Guide to Federal Energy Conservation Programs" by the Environmental Study Conference; copies may be requested from one's senator or congressmember (1979, 6 pages, free)
(5) "Energy: Conservation and Public Policy" edited by John C. Sawhill; available from Prentice Hall, Inc., Englewood Cliffs, N.J. 07632 (1979, 259 pages)
(6) "Energy: The Case For Conservation" by Denis Hayes; available from the Worldwatch Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036 (1976, 77 pages, $2.00)



(7) "Tips for Energy Savers: In and Around the Home, On the Road, In the Marketplace" by the U.S. Department of Energy; available from the U.S. DOE, Technical Information Center, P.O. Box 62, Oak Ridge, TN 37830 (order #DOE/CS-0020) (1978, 46 pages)
(8) "Your Energy-Efficient Home: Improvements to Save Utility Dollars" by Floyd Hickok; available from Prentice Hall Inc., Englewood Cliffs, N.J. 07632 (1977, 145 pages, $5.95)
(9) "Thermal Insulation: Recent Developments" by the Noyes Data Corporation; available from NDC, Publicity Department, Mill Road at Grand Avenue, Park Ridge, N.J. 07656 (1978, 338 pages, $39.00)
(10) "Homeowner's Guide to Saving Energy" by Billy L. Price & James T. Price; available from Tab Books, Blue Ridge Summit, PA 17214 (1976, 288 pages, $5.95)
(11) "The Energy-Saving Guidebook" by George S. Springer & Gene E. Smith; available from Technomic Publishing Company, 265 W. State St., Westport, CT 06880 (1974, 103 pages)
(12) "In the Bank or Up the Chimney?" by the U.S. Department of Housing & Urban Development; available from the U.S. Government Printing Office, Washington, D.C. 20402 (stock #023-000-00297-3) (1975, 72 pages, $1.70)



For The People/CPF

(13) "Energy Conservation Training Institute" report by the Conservation Foundation; available from the CF, 1717 Massachusetts Avenue, N.W., Washington, DC (1976, 600 pages)
(14) "Architecture and Energy" by Richard G. Stein; available from Anchor Press/Doubleday, Garden City, N.Y. (1977, 322 pages, $12.95)
(15) "The Energy-Efficient Home" by Steven Robinson; available from the New American Library, 1301 Avenue of the Americas, New York, N.Y. 10019
(16) "Home Improvements for Conservation and Solar Energy" by Floyd Hickok; available from Hour House, P.O. Box 40082, St. Petersburg, FL 33743 (1977, 151 pages,)
(17) "Your Energy-Efficient House: Building & Remodeling Ideas" by Anthony Adams; available from Garden Way Publishing, Charlotte, VT 05445 (1975, 118 pages, $4.95)
(18) "100 Ways to Save Energy & Money in the Home" by the Canadian Office of Energy Conservation; available from the Energy, Mines & Resources Canada Office, Ontario, CANADA (1975, 158 pages)
(19) "Save Energy, Save Money!" by Eugene & Sandra Eccli; available from the Community Services Administration, Washington, D.C. 20506 (1977, 48 pages)
(20) "A Plan for Total Energy Efficiency in Buildings" by the American Institute of Architects; available from AIA, 1735 New York Avenue, N.W., Washington, D.C. 20006 (1975, 25 pages)
(21) "Kilowatt Counter" by Gil Friend and David Morris; available from the Institute for Local Self-Reliance, 1717 18th Street, N.W., Washington, D.C. 20009 (1975, $2.00)
(22) "The Complete Book of Insulating" by Larry Gay; available from the Stephen Greene Press, P.O. Box 1000, Brattleboro, VT 05301 (3/80, $7.95, 178 pages)
(23) "The Complete Energy-Saving Home Improvement Guide" from Arco Publishing, Inc., 219 Park Avenue South, New York, N.Y. 10003 (1979, $1.95, 144 pages)

(24) "Residential Conservation Service Handbook" by the Environmental Action Foundation, 724 Dupont Circle Building, Washington, D.C. 20036 (4/80, 49 pp, $2)
(25) "The Homeowner's Energy Guide: How to Beat the Heating Game" by John A. Murphy; available from Brockston Publishing Co. (1976, 215 pages, $8.95)
(26) "547 Easy Ways to Save Energy in Your Home" by Roger Albright; available from Garden Way Publishing, Charlotte, VT 05445 (1978, 124 pp, $4.95)
(27) "Weatherization Materials Handbook" from the Institute for Local Self-Reliance, 1717 18th Street, N.W., Washington, D.C. 20009 (1979, $6.75)

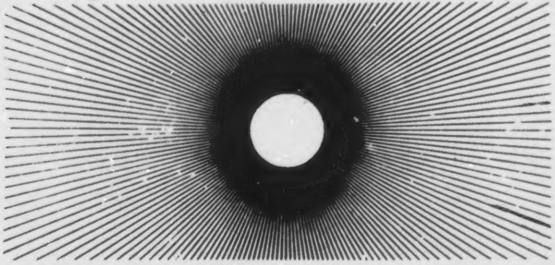
ORGANIZATIONAL RESOURCES

(1) Alliance to Save Energy, 1925 "K" Street, N.W., Washington, D.C. 20006
(2) Midland Energy Institute (weatherization training programs), 900 Grand Ave., Kansas City, MO 64106 (816-842-2459)
(3) The Community Energy Project, c/o ACTION, Room M-204, 806 Connecticut Avenue, N.W., Washington, D.C. 20525 (1-800-424-8867/8)
(4) Human Resources Agency, Community Services Department, County of San Bernadino, 602 South Tippecanoe Avenue, San Bernadino, CA 92415 (714-383-2523)
(5) Department of Community Affairs, attn: Pennsylvania Weatherization Program, Harrisburg, PA 17120
(6) National Association of Home Insulation Contractors, 4750 Wisconsin Avenue, N.W., Washington, D.C. 20016 (202-363-8100)
(7) Hartford Energy Office, attn: Chris Merrow, City Manager's Office, 550 Main St., Hartford, CT 06103
(8) Energy Information Office, attn: Karen Hastings, City Hall, 250 N. 5th St., Grand Junction, CO 81501
(9) New England Energy Congress, 6 Beacon Street, Room 1111, Boston, MA 02108
(10) National Consumer Law Center, 11 Beacon Street, Boston, MA 02108 (617-523-8010)

ACTIVE SOLAR SYSTEMS

NEWSLETTERS & PERIODICALS

(1) "Living Alternatives Magazine" from P.O. Box 189, Newton, MA 02195
(2) "Self-Reliance" newsletter, from the Institute for Local Self-Reliance, 1717 18th Street, N.W., Washington, D.C. 20009
(3) "Tranet" newsletter, from P.O. Box 567, Rangeley, Maine 04970
(4) "Solar Life" newsletter, from the Solar Energy Institute of North America, 1110 Sixth Street, N.W., Washington, D.C. 20001



(5) "Advanced Solar Energy Technology Newsletter" from 1609 West Windrose, Phoenix, AZ 85029
(6) "NCSEA Newsletter" by the Northern California Solar Energy Association, P.O. Box 1056, Mt. View, CA 94042
(7) "NMSEA Bulletin" by the New Mexico Solar Energy Association, P.O. Box 2004, Santa Fe, N.M. 87501
(8) "Sun Times" newsletter by the Solar Lobby, 1001 Connecticut Avenue, N.W., 5th floor, Washington, D.C. 200036
(9) "SUNRAE" newsletter from 5679 Hollister Avenue, Room 5, Goleta, CA 93017
(10) "The Solar Collector" by the Georgia Solar Coalition, 3110 Maple Drive, Suite #403-A, Atlanta, GA 30305
(11) "Solar Energy News" from 178 Miller Avenue, Providence, R.I. 02905
(12) "Solar Heating & Cooling Magazine", c/o Alison Brown, 20 Community Place, Morristown, N.J. 07960
(13) "Outlook" by Midwest Energy Alternatives, c/o 105 Wolpers, Park Forest South, IL 60466
(14) "AERO-SunTimes" by the Alternative Energy Resources Organization, 435 Stapleton Building, Billings, MT 59101
(15) "RAIN Magazine" from 2270 N.W. Irving, Portland, OR 97210
(16) "Solar Utilization News" by the Alternate Energy Institute, P.O. Box 3100, Estes Park, CO 80517
(17) "Solar Age Magazine" from Church Hill, Harrisville, N.H. 03450
(18) "Solar Engineering Magazine" from 8435 N. Stemmons Freeway, Suite 880, Dallas, Texas 75247
(19) "Solar Energy Digest" from P.O. Box 17776, San Diego, CA 92117
(20) "Solar Washington" from P.O. Box 20123, Broadway Station, Seattle, WA 98102
(21) "Newsletter" from the Urban Solar Energy Association, 21 Burnside Avenue, Somerville, MA 02144
(22) "Solar Energy Intelligence Report" from Business Publishers Inc., P.O. Box 1067, Silver Spring, MD 20910
(23) "Mid-Atlantic Solar Energy Society News" from the Department of Architecture, Graduate School of Fine Arts, University of Pennsylvania, Philadelphia, PA 19104
(24) "Solar Status" by the National Solar Heating and Cooling Information Center, P.O. Box 1607, Rockville, MD 20850
(25) "Solar Industry"/"Dateline" by the Solar Energy Industries Association, 1001 Connecticut Avenue, Suite 632, Washington, D.C. 20036
(26) "Co-Evolution Quarterly" from Box 428, Sausalito, CA 94965
(27) "Mother Earth News" from P.O. Box 70, Hendersonville, N.C. 28739
(28) "Metropolitan Solar Energy Society Newsletter" c/o Bill Bobenhausen, c/o Perkins & Will, 445 Hamilton Avenue, White Plains, N.Y. 10601
(29) "SUN/REP News" from the Southern Unity Network/Renewable Energy Projects, 3110 Maple Drive, Suite 412, Atlanta, GA 30305
(30) "Cascade" c/o Cascadian Regional Library, 454 Willamette Street, Box 1492, Eugene, OR 97401
(31) "New Roots" magazine, P.O. Box 548, Greenfield, MA 01301
(32) "Energy & Alternatives" from P.O. Box 681, Salem, OR 97308
(33) "A.T. Times" from the National Center for Appropriate Technology, P.O. Box 3838, Butte, MT 59701

(34) "Sun Strokes" from the Ecotope Group, 2332 East Madison, Seattle, WA 98112

(35) "Solar Times" from 3 Old Post Road, Madison, CT 06443

(36) "Sunletter" from the Arizona Solar Energy Association, c/o F.C.C.A.T., P.O. Box 1443, Flagstaff, AZ 86002

(37) "Solar Law Reporter" from the Solar Energy Research Institute, 1617 Cole Boulevard, Golden, CO 80401

BOOKS & REPORTS

(1) "Harnessing the Sun: A Practical No-Nonsence Approach to Home Solar Heating" by John Keyes; available from Morgan & Morgan Publishers, 145 Palisades Street, Dobbs Ferry, N.Y. (192 pages, $3.95)

(2) "How to Build a Solar Heater" by Ted Lucas; available from Ward Richie Press, Pasadena, CA (236 pages)

(3) "The Solar Food Dryer Book" by Stella Andrassy; available from Morgan & Morgan Publishers, 145 Palisade Street, Dobbs Ferry, N.Y. (128 pages, $3.95)

(4) "Energy Book #1: Natural Sources and Backyard Applications by John Prenis et al; available from Running Press, 38 South 19th Street, Philadelphia, PA 19103 (112 pages, $4.00, 1975); also available is "Energy Book #2" (128 pages, 1977, $5.50)

(5) "The Energy Primer" edited by Richard Merrill and Thomas Gage; available from Delta Book, Dell Publishing Co., 245 East 47th Street, New York, N.Y. 10017 (256 pages, $7.95)

(6) "How to Build a Solar Domestic Water Heating System" by Richard Conrat and Joseph Carter; available from SUNWORKS, 1501 Felta Road, Healdsburg, CA 95448 (15 pages)

(7) "Alternative Sources of Energy: Practical Technology & Philosophy for a Decentralized Planet" edited by Sandy Eccli; available from the Seabury Press, 815 Second Avenue, New York, N.Y. 10017 (278 pages, $4.00)

(8) "How to Design & Build a Solar Swimming Pool Heater" by Francis de Winter; available from the Copper Development Association, 405 Lexington Avenue, New York, N.Y. 10017 (54 pages, free)

(9) "Sunspots" by Steve Baer; available from Zomeworks Corporation, P.O. Box 712, Albuquerque, N.M. 87103 (115 pages, 1975, $3.00)

(10) "Practical Sun Power" by W.H. Rankin and D. Wilson available from Lorien House, P.O. Box 1112, Black Mountain, N.C. 28711 (52 pages, $4.00)

(11) " A New Jerseyian's Consumer Guide to Solar Energy Systems" by Nadine Shaw & Janine Bauer; available from N.J. PIRG, 32 West Lafayette Street, Trenton, N.J. 08608 (219 pages, 1978, $3.00)

(12) "Build Your Own Solar Water Heater" by Stu Campbell & Doug Taff; available from Garden Way Publishers, Charlotte, VT 05445 (1978, 117 pages, $7.95)

(13) "The Solar Prospect" by Denis Hayes; available from Worldwatch Institute, 1776 Massachusetts Ave., N.W., Washington, D.C. 20036 (60 pages, 1977, $2.); also available is "The Solar Timetable" (40 pages, 1978, $2.00)

(14) "The Build-It Book of Solar Heating Projects" by William F. Foster; available from TAB Books, Blue Ridge Summit, PA 17214 (1977, 196 pages, $4.95)

(15) "Rays of Hope: The Transition to a Post Petroleum World" by Denis Ways; available from Worldwatch Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036 (1977, 240 pages, #3.95)

(16) "The Energy House Catalog" from Energy House, P.O. Box 5288, Salem, OR 97304 (a listing of over 150 manufacturers of solar components & systems) (1978, 280 pages, $3.00)

(17) "The SUN Catalog" by Solar Usage Now, Inc., Box 306, Bascom, Ohio 44809 (1979, 287 pages, $2.00)

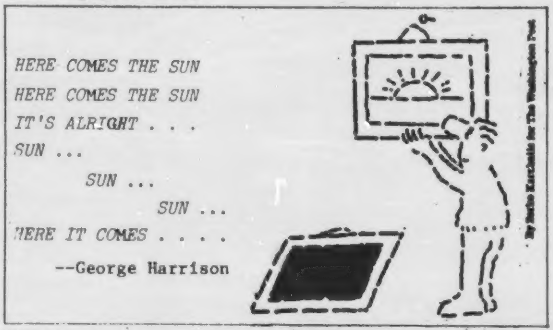
(18) "Design Manual for Solar Heating of Buildings and Domestic Hot Water" by Richard L. Field; available from SOLPUB Co., P.O. Box 2351, Gaithersburg, MD 20760 (1977, 86 pages)

(19) "Homeowner's Guide to Solar Heating" by Sunset Books; available from Lane Publishing Company, Menlo Park, CA 94025 (1979, 96 pages, $2.95)

(20) "Solar for Your Present Home" by the Berkeley Solar Group; available from the California Energy Commission, 1111 Howe Avenue, Sacramento, CA 95285 (1977, 163 pages)

(21) "Solar Homes and Sun Heating" by George Daniels; available from Harper & Row Publishers, 10 East 53 Street, New York, N.Y. 10022 (1976, 178 pages, $8.95)

(22) "Solar Energy Sourcebook" by the Solar Energy Institute of North America; available from SEINAM, 1110 Sixth Street, N.W., Washington, D.C. 20001 (800 pages, 1979)



(23) "No Heat - No Rent: An Urban Solar and Energy Conservation Manual" by the Energy Task Force, 156 Fifth Avenue, New York, N.Y. 10010

(24) "Soft Energy Paths" by Amory Lovins; available from Friends of the Earth, 124 Spear Street, San Francisco, CA (1977, $7.00)

(25) "The Buy Wise Guide to Solar Heat" by Floyd Hickok, editor; available from Hour House, P.O. Box 40082, St. Petersburg, FL 33743 (121 pages, 1976, $9.00)

(26) "Buying Solar" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (71 pages, 1976, $1.85, stock no. 041-081-00120-4)

(27) "Homeowner's Guide to Solar Heating and Cooling" by W.M. Foster, available from Tab Books, Blue Ridge Summit, PA 17214 (196 pages, 1976, $4.95)

(28) "Proceedings of the Solar Energy Consumer Protection Workshop" by the Florida Solar Energy Center, available from NTIS, 5285 Port Royal Road, Springfield, VA 22161 (1/1980, 2 volumes, $14.00; report #CONF-7805162/2)

(29) "How to Use Solar Energy in Your Home and Business" by Ted Lucas; available from Ward Richie Press, Pasadena, CA (1977, 315 pages)

(30) "The Solar Decision Book: Your Guide to Making a Sound Investment" by Richard Montgomery & Jim Budnick; available from the Dow Corning Corporation, Department 2268, Midland, MI 48640 (1978, 200pp $10)

(31) "How to Buy Solar Heating Without Getting Burnt: A Consumer's Guide to Choosing, Financing, and Installing Solar House Heating Equipment" by Malcolm Wells and Irwin Spetgang; available from Rodale Press, Emmaus, PA (1978, 262 pages, $6.95)

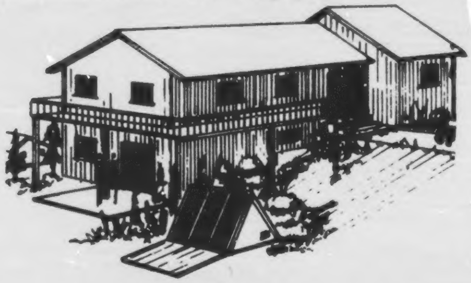
(32) "Barriers and Incentives to Solar Energy Development: An Analysis of Legal and Institutional Issues in the Northeast" by Arnold R. Wallenstein; available from the Northeast Solar Energy Center, 70 Memorial Drive, Cambridge, MA 02142 (12/78, 103 pages)

(33) "Solar Heating & Cooling Demonstration Program" by the Department of Housing & Urban Development;

available from the U.S. Government Printing Office, Washington, D.C. 20402 (1978, 174 pages, report # HUD-PDR-230-1)

(34) "Solar Heating & Cooling: Recent Advances" by the Noyes Data Corporation, Publicity Department, Mill Road at Grand Avenue, Park Ridge, N.J. 07656 (1977, 485 pages, $48.00)

(35) "Solar Energy Engineering" edited by A.A.M. Sayigh; available from Academic Press, 111 Fifth Avenue, New York, N.Y. 10003 (1977, 506 pages)



(36) "Solar Energy" by H. Messel & S.T. Butler; available from Pergamon Press, Maxwell House, Fairview Park, Elmsford, N.Y. 10523 (1975, 340 pages)

(37) "Solar Energy: The Awakening Science" by Daniel Behrman; available from Little, Brown & Company, Boston, MA (1976, 408 pages, $12.50)

(38) "Solar Energy for Heating & Cooling of Buildings" by Arthur R. Patton; available from the Noyes Data Corporation, Park Ridge, N.J. (1975, 325 pp, $24)

(39) "Solar Energy: Technology & Applications" by J. Richard Williams; available from Ann Arbor Science Publishers, P.O. Box 1425, Ann Arbor, MI 48106

(40) "Sun Power: An Introduction to the Applications of Solar Energy" by J.C. McVeigh; available from Pergamon Press, (see listing #36), (1977, 208 pages)

(41) "Homeowner's Guide to Solar Heating & Cooling" by William M. Foster; available from TAB Books, Blue Ridge Summit, PA 17214 (1976, 196 pages, $4.95)

(42) "Consumer Handbook of Solar Energy" by John H. Keyes; available from Morgan & Morgan Publishers, 145 Palisade Street, Dobbs Ferry, N.Y. (1979, 274 pages, $10.95)

(43) "Applications of Solar Energy for Heating and Cooling of Buildings" edited by Richard C. Jordan & Benjamin Y.H. Liu; published by ASHRAE, 345 East 47th Street, New York, N.Y. 10017 (1977, 206 pp)

ORGANIZATIONAL RESOURCES

(1) Total Environmental Action, Box 47, Harrisville, N.H. 03450 (603-827-3087)

(2) Institute for Local Self-Reliance, 1717 18th Street, N.W., Washington, D.C. 20009 (202-232-4108)

(3) Center for Renewable Resources/Solar Lobby, 1001 Connecticut Avenue, N.W., Washington, D.C. 20036 (202-466-6880)

(4) Solar Energy Institute of North America, 1110 6th Street, N.W., Washington, D.C. 20001

(5) Solar Energy Industries Association, 1001 Connecticut Avenue, N.W., Suite 632, Washington, D.C. 20036 (202-293-1000)

(6) New England Solar Energy Association, P.O. Box 121, Townshend, VT 05353 (802-365-4084)

(7) California Public Policy Center, 304 S. Broadway, #224, Los Angeles, CA 90013

(8) Farallones Rural Center, 15290 Coleman Valley Rd., Occidental, CA 95465

(9) New Alchemy Institute, P.O. Box 47, Woods Hole, MA 02543

(10) Winona Energy Design Studio, University of Minnesota, 2818 Como Avenue, S.E., Minneapolis, MN 55414

(11) Solar Energy Coalition-Al, attn: Ed Passerini, Box CD, University of Alabama, University, AL 35486

(12) Alaska Center for the Environment, attn: Nancy Lee, 1069 W. 6th Avenue, Anchorage, AK 99501

(13) Arizona Solar Energy Association, P.O. Box 1443, Flagstaff, AZ 86002

(14) Arkansas Solar Coalition, attn: James Deal, 1145 West Hearn Street, Blytheville, AR 72315

(15) Ozark Institute, attn: Ed Jeffords, P.O. Box 549, Eureka Springs, AR 72632

(16) Net Energy, attn: Suzanne Guerra, 854 Ninth St., Arcata, CA 95521

(17) SolarCal, attn: Tom Hayden, 409 Santa Monica Blvd., #214, Santa Monica, CA 90401

(18) Western Sun, attn: Larry Levin, 1111 Howe Avenue, Sacramento, CA 95825

(19) SUNRAE, attn; Ed Maschke, 5679 Hollister Avenue, Goleta, CA 93017

(20) San Bernadino West Side CDC, attn; Valerie Pope, 1736 West Highland Avenue, San Bernadino, CA 92405

(21) Sun Fund, attn: John Smelik, 6760 Trigo, Isla Vista, CA 93017

(22) Ecology Center of Southern California, attn: Nancy Perlman, Box 35473, Los Angeles, CA 90035

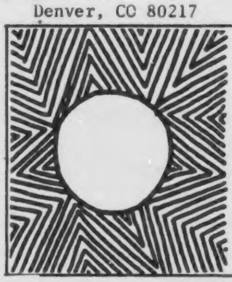
(23) Santa Cruz Alternative Energy Co-op, attn: Scott Roseman, Box 66959, Scotts Valley, CA 95066

(24) Southern California Solar Energy Association, attn: Ildiko Demeter, Ex. Dir., San Diego City Hall, 202 "C" Street, San Diego, CA 92101

(25) CO Colaition for Full Employment, attn: Roger Kahn, 2239 E. Colfax Ave., #303, Denver, CO 80206

(26) Solar Energy Research Institute, attn: Denis Hayes, Keith Haggard, Elizabeth Moore, 1617 Cole Boulevard, Golden, CO 80401

(27) Colorado Solar Energy Association, P.O. Box 5272-TA Denver, CO 80217



Science Rediscovers It
Media Misinterprets It
People Misunderstand It
Environment Needs It
Many Discredit It
Government Debates It
Industry Contemplates It
Plants Store It
Society Ignores It
Life Can't Be Without It
--Elizabeth Kingman

(28) CT Citizens Action Group, attn: Mary Phil Guinen, Box G, Hartford, CT 06106

(29) Delawareans for Energy Conservation, attn: Rob Adams, 6 Park Land Briar Park, Dover, DE 19901

(30) Bruce Anderson, 2860 Upton Street, N.W., Washington, D.C. 20008 (202-966-2940)

(31) FL Solar Coalition, attn; Joan Partington, 400 Corland Avenue, Winter Park, FL 32789

(32) NW FL Solar Energy Assn., attn: Carol Sheridan, 138 34th Avenue, South, Jacksonville, FL 32225

(33) FL Solar User Network, attn: Enos Shera, 8254 SW 37th St., Miami, FL 33155

(34) FL Solar Energy Ind. Assn., attn: Ron Yachaback, 412 Longfellow Blvd., Lakefield, FL 33801

(35) Georgia Solar Coalition, attn: Betty Terry, 3110 Maple Drive, N.E., #403-A, Atlanta, GA 30305

(36) Maui Economic Opportunity, attn: Fred D. Bicoy, Box 677, Kaukakai, Molokai, HI 96748

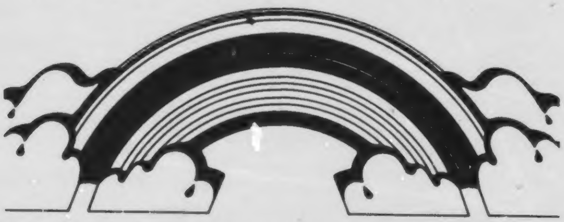
(36) Center for Neighborhood Technology, attn: Scott Bernstein, 570 W. Randolph Street, Chicago, IL 60606

(37) Citizens Labor Energy Coalition, attn: Heather Booth, 600 W. Fullerton, Chicago, IL 60614

(38) Outlook, attn: Beth Hagens, 105 Wolpers Road, Park Forest South, IL 60466

(39) Il Solar Energy Association, P.O. Box 1592, Aurora,

IL 60507 (312-377-9363)
(40) Shawnee Solar Project, attn: Chris Robertson, 211½ West Main, Carbondale, IL 62901 (618-457-8172)
(41) Hoosier Solar Energy Association, P.O. Box 44448, Indianapolis, IN 46204
(42) Citizens Action Coalition, attn: Fritz Wieking, 3620 N. Meridian Street, Indianapolis, IN 46208
(43) Community Action Research Group, attn: Skip Laitner, Box 1232, Ames, Iowa 50010 (515-292-4758)
(44) Iowa Solar Energy Association, attn: Roger P. Hadley, 1433 Wildwood Drive, N.W., Cedar Rapids, IA
(45) Citizens Energy Center, attn: Jane Magers, 13242 30th Street, Des Moines, IA 50311 (515-277-0253)
(46) Center for Rural Affairs, attn: Ron Hendricks, 740½ Mass. Avenue, Lawrence, KS 66044
(47) Mid-America Coalition for Energy Alternatives, 5130 Mission Road, Shawnee Mission, KS 66205
(48) The Land Institute, attn: Wes & Dana Jackson, Rt. 3, Salina, KS 67400
(49) Appalachia-Science in the Public Interest, attn: Al Fritsch, P.O. Box 298, Livingston, KY 40445
(50) Solar Options, attn: David Goolsbee, Box 63, Berea, KY 40403
(51) Ecology Center for LA, attn: Ross Vincent, P.O. Box 19064, New Orleans, LA 70179 (504-482-8760)
(52) LA Solar Energy Council, attn: Frank Neelis, 242 Grand Avenue, Lafayette, LA 70503
(53) Solar Technologies, attn: Jay Walters, Box 8175, Shrevesport, LA 71708 (318-445-6571)
(54) Maine Audubon Society, attn: Alan Lishness, 118 U.S. Route 1, Falmouth, ME 04105 (207-781-2330)
(55) Solar Action of MD, attn: Ted Suman, 346 Glebe Rd., Easton, MD 21601 (301-647-7100)
(56) Baltimore Environmental Center, attn: Jan Walker Baltimore, MD 21218 (301-366-2070)
(57) NEATNET, attn: Mark Cherniak, Box 548, Greenfield, MA 01301 (413-545-0926)
(58) William Shurcliff, 42 Oxford Street, #402, Cambridge, MA 02138 (617-495-2816)



(59) Mass Fair Share, Energy Project, attn: Bob Weiss, 304 Boylston Street, Boston, MA 02116 (617-266-7505)
(60) MASS PIRG, attn; Mindy Luber, 120 Boylston Street, Boston, MA 02116 (617-423-1796)
(61) Michigan Solar Energy Association, attn: Karen Kanniainen, Suite 15, 201 East Liberty Street, Ann Arbor, MI 48104 (313-663-7799)
(62) Energy & Environment Information Program, attn: Kim Siegfried, 4866 3rd St., #300, Detroit, MI 48202
(63) Center for Local Self-Reliance, attn: Lola Schoenrich, 3302 Chicago Ave., South, Minneapolis, MN 55407
(64) MN Solar Energy Association, P.O. Box 171, Minneapolis, MN 55440
(65) MO-ARK Solar Energy Assn., Box 1643, Jefferson City, MO 65102
(66) MS Solar Council, attn: Diane Ford, 887 Briarwood Drive, Jackson, MS 39211 (601-956-4868)
(67) National Center for Appropriate Technology, P.O. Box 3838, Butte, MT 59701 (406-494-4572)
(68) AERO, attn: Kye Cochran, 435 Stapleton Building, Billings, MT 59100 (406-259-1958)
(69) Northern Plains Resource Council, attn: Jeanne Charter, 419 Stapleton Bldg, Billings, MT 59101
(70) Midwest Energy Alternatives, attn: Lincoln Justice, 2444-B Street, Lincoln, NE 68502
(71) Lombardi & Associates, attn: Rich Lombardi, 715 South 14th Street, Lincoln, NE 68508
(72) NV Solar Energy Association, attn: David Comarow, Clark City Comm. College, 3200 E. Cheyenne Avenue, N. Las Vegas, NV 89030 (702-643-6060)
(73) NV Assn. of Solar Energy Advocates, attn: Keith Eberheart, 2335 Derbish Way, Reno, NV 89502
(74) NC Coalition for Renewable Resources, attn: Jon Parker, 118 West Trinity Street, Durham, N.C. 27701
(75) Resource Community Development Assn., attn: Ken Williamson, 714 9th Street, Suite 206, Durham, N.C.
(76) Total Environmental Action Foundation, attn: Jennifer Harris, Harrisville, N.H. 03450
(77) Natural Power, Inc., attn: Richard Katzenberg, New Boston, NH 03070

(78) N.J. Solar Action, attn: Janine Bauer, 204 W. State Street, Trenton, N.J. 08608 (609-393-7474)
(79) N.J. PIRG, attn: Ed Lloyd, 32 West Lafayette St., Trenton, N.J. 08608
(80) NM Solar Energy Institute, attn: David Miller, Box 3, SOL, Las Cruces, N.M. 88003 (505-646-1846)
(81) Consumer Action Now, attn: Lola Redford, 355 Lexington Avenue, New York, N.Y. 10017
(82) National Center for AT, attn: Carlos Baez, 177 E. 3rd Street, Store - W, New York, N.Y. 10009
(83) Alternate Currents, attn: Ruth Weiss, 156 5th Ave., Room 432, New York, N.Y. 10010
(84) NC Solar Energy Association, attn: Leon Neal, P.O Box 12235, Research Triangel Park, NC 27709
(85) North Dakota Migrant Council, attn: Jerry Nagle, 101 N. Third Street, Grand Forks, ND 58201
(86) Ohio Solar Energy Association, attn: Dr. Bruce T. Austin, 141 N. Walnut, Yellow Springs, OH 45387
(87) Oklahoma Solar Energy Association, attn: Diane Van Landignham, 426 W. Euphula, Norman, OK 73069
(88) RAIN, 2270 N.W. Irving, Portland, OR 97610 (503-227-5110)
(89) Solar Oregon Lobby, attn: Paco Maribona, 720 N.E. Ainsworth, Portland, OR 97211 (503-284-9320)
(90) Pacific Northwest Solar Energy Association, attn: John Reynolds, Dept. of Architecture, University of Oregon, Eugene, OR 97403
(91) PA Solar Power Advocates, attn: Margaret Ha, 461 Daisy Drive, R.D. 2, New Providence, PA 17560
(92) Mid-Atlantic Solar Energy Association, attn: Peter Hollander, 1911 Arch Street, Philadelphia, PA 19103
(93) RI Solar Energy Association, attn: Guy Lefebvre, 179 Old River Road, Lincoln, R.I. 02865
(94) SC Energy Task Force, attn: C. Smith & F. Blechman, P.O. Box 11781, Columbia, S.C. 29211 (803-782-8420)
(95) Dakota Wind & Sun Ltd., P.O. Box 1781, Aberdeen, S.D. 57401
(96) TN Environmental Council, attN: Mayo Taylor, Box 1422, Nashville, TN 37202
(97) Solar Applications Branch, Tennessee Valley Authority, attn: Fran Koster, 403 Power Building, Chattanooga, TN 37401 (615-755-6741)
(98) TN Solar Energy Association, attn: Mr. Joe Hultquist, P.O. Box 448, Jefferson City, TN 37760
(99) Austin Solar Energy Society, attn: J. Carter, D.

Marke, 2904 Warehouse Row, #C, Austin, TX 78704

(100) San Antonio Solar Energy Association, attn: Dave Nawrocki, 1101 Whittshire, San Antonio, TX 78209

(101) International Solar Energy Society, American Section, attn: Lee Salmon, c/o American Tech. University, P.O. Box 1416, Killeen, TX 76541

(102) Texas Solar Action Coalition, attn: Ray Reece, 516 Terrace Drive, Austin, Texas 78704

(103) TX Solar Energy Society, attn: Russel Smith, 1007 S. Congress, #348, Austin, TX 78704

(104) El Paso Solar Energy Society, attn: Steve Cook, P.O. Box 26384, El Paso, TX 79926

(105) Solar Alternative, attn: Jim Kirby, 30 Clark St., Brattleboro, VT 05301

(106) Institute for Ecological Policies, attn: Jim Benson, 9208 Christopher St., Fairfax, VA 22031

(107) VA Solar Council, attn: Bob Olson, 3129 North Ninth Road, Arlington, VA 22201

(108) Lightworks, attn: John MacLeod, 203 North Main Street, Lexington, VA 24450

(109) Whatcom Solar Assn., attn: Sandy Fugate, Box 2305, Bellingham, WA 98225

(110) Yakima Solar Energy Assn, attn: John Shaw, 8001 Englewood Crest Dr., Yakima, WA 98908

(111) Puget Sun, attn: Tom Heidlegaugh, 311 S. L Street, Tacoma, WA 98405 (206-272-1281)

(112) Mary Ellen Griffiths, N.C.A.T., Box 111, Athens, W.Va. 24712

(113) Center for Community Technology, attn; Nancy Korda, 1121 University Avenue, Madison, WI 53715

(114)Kickapoo Community Development Corp., attn: Jay Rick, P.O. Box 153, Viola, WI 54664

(115) Wyoming Solar Alliance, attn: Gary Garber, Box 12, Hillsdale, WY 82060

(116) High Country News, attn: Joan Nice, Box K, Lander, WY 82520 (307-332-4877)

FOSSIL FUELS

NEWSLETTERS & PERIODICALS

(1) "Energy Daily" from 300 National Press Building, Washington, D.C. 20045 (daily, $625/year, 4 pp/issue)

(2) "Energy Insider" from the U.S. Department of Energy, Mail Stop GA-343, Forrestal Bldg., Rm. 8F-044, Washington, D.C. 20585 (biweekly, free)

(3) "Energy Research Digest" from P.O. Box 17346, Dulles International Airport, Washington, D.C. 20041 (biweekly, $140/year)

(4) "Energy Today" from 233 National Press Building, Washington, D.C. 20045 (2x/month, $165/month)

(5) "Energy User News" from 665 National Press Building, Washington, D.C. 20045 (weekly, $30/year)

(6) "Environmental Action" from 1346 Connecticut Ave., N.W., Washington, D.C. 20036 (monthly, $15/year)

(7) "Energy, Business Information Service" newsletter edited by Philip Berardelli from Energy BIS, 759 National Press Building, Washington, D.C. 20045 (48 issues/year, 4 pages/issue, $155/year)

(8) "Energy: Industrial and Municipal Users Intelligence Report" newsletter edited by Phillip Berardelli; available from 759 National Press Building, Washington, DC 20045 (48 issues/year, $187/year)

(9) "Energy Age" magazine from 10488, Denver, CO 80215 (monthly, $10/year)

(10) "Environment Magazine" from the Scientists' Institute for Public Information, 560 Trinity Avenue, St. Louis, MO 63130 (monthly)

(11) "Not Man Apart" from Friends of the Earth, 124 Spear St., San Francisco, CA 94105 (semi-monthly, $10/year)

(12) "CBE Environmental Review" by Citizens for a Better Environment", Suite 2610, East Van Buren, Chicago, IL 60605 (monthly, $15/year)

(13) "Environment News" from the U.S. Environmental Protection Agency, 2203 John F. Kennedy Building, Boston, MA 02203 (monthly, free-of-charge)

(14) "Environmental Science & Technology" from the American Chemical Society, 1155 16th Street, N.W., Washington, DC 20036 (monthly, $20/year)

(15) "National Parks & Conservation Magazine" from the National Parks & Conservation Assn., 1701 18th St., N.W., Washington, D.C. 20009 (monthly)

(16) "National News Report" from the Sierra Club, 530 Bush Street, San Francisco, CA 94108 (monthly, $8/yr)

(17) "The Mountain Call" from Box 611, Kermit, W.Va. 25674 ($5/year)

(18) "High Country News" from Box K, Lander, WY

BOOKS & REPORTS

(1) "Strip Mine Blasting" by Appalachia-Science in the Public Interest; available from the Citizens' Energy Project, 1110 6th St., N.W., Washington, DC 20001 (124 pages, 1977, $7.50)

(2) "Energy for Survival" by Wilson Clark; available from Doubleday/Anchor Press, Garden City, N.Y. (652 pages, 1975, $4.95)

(3) "Land Use Controls in the United States: A Handbook on the Legal Rights of Citizens" by the Natural Resources Defense Council; available from the Dial Press, 1 Dag Hammarskjold Plaza, New York, N.Y. 10017 (362 pages, 1977, $7.95)

(4) "Lost Frontier: The Marketing of Alaska" by John Hanrahan & Peter Gruenstein, from W.W. Norton & Co., 500 Fifth Ave., New York, N.Y. 10036 (363 pages, 1977, $10.98).

(5) "Reclamation of Western Surface Mined Lands" edited by Kimery C. Vories, from Ecology Consultants (152 pages, 1976)

(6) "Coal Resources, Characteristics & Ownership in the U.S.A." by Noyes Data Corporation, Mill Road at Grand Avenue, Park Ridge, N.J. 07656 (346 pp., 1978, $45.00)

(7) "The Quest for Oil" by W.G. Roberts, from S.G. Philips Inc., 305 West 86 Street, New York, N.Y. 10024 (157 pages, 1977, $9.95)

(8) "Introduction to Energy Technology" by M.L. Shepard et al, from Ann Arbor Science, 230 Collingwood, Ann Arbor, MI 48106 (300 pp., 1977, $16.50)

(9) "Synfuels Handbook" by McGraw-Hill Publications, 457 National Press Building, Washington, D.C. 20045 1980, $57.00)

(10) "Facts About Coal in the United States" by John McCormick; available from the Environmental Policy Center, 317 Pennsylvania Ave., S.E., Washington, DC 20003 (1974, 32 pages, $2.00)

(11) "Where We Agree" by the National Coal Policy Project; available from the Center for Strategic and International Studies, Georgetown University, 1800 "K" Street, N.W., Washington, D.C. 20006 (1978, 70 pp)

(12) "Surface Mining and Mined Land Reclamation: A Selected Bibliography" by the Old West Regional Com-

mission; available from 1730 "K" Street, N.W., Washington, D.C. 20006 (1974, 154 pages)

(13) "One Time Harvest: Reflections on Coal and Our Future" by Mike Jacobs; available from the author, Box 351, Mandan, N.D. 58854 (1975, 298 pages)

(14) "Energy Futures: Industry and New Technologies" by Stewart Herman & James S. Cannon; available from INFORM, Inc., 25 Broad St., New York, N.Y. 10004 (1977, 661 pages)

(15) "Issue Paper on Coal Liquefaction, Coal Gasification Technologies" by the U.S. Environmental Protection Agency; available from the Office of Energy, Minerals, and Industry, U.S.EPA, 401 "M" St., S.W., Washington, D.C. 20460 (1979, 60 pages)

(16) "CRS Issue Brief: Coal Gasification & Liquefaction" by the Congressional Research Service, Library of Congress, Washington, D.C. (1979, 30 pp, issue brief #IB77105)

(17) "Underground Coal Gasification" by Noyes Data Corporation; available from NDC Publicity Department, Mill Road at Grand Ave., Park Ridge, NJ 07656 (1977, 255 pages, $36.00)

JOHN
Drawing courtesy NWF Art Dept.

"YOU'RE NEW HERE, AREN'T YOU?"

(18) "New Technologies for Old Fuels" by the Subcommittee on Fossil and Nuclear Energy Research, Development & Demonstration; available from the Committee on Science & Technology, U.S. House of Representatives, Washington, D.C. 20515 (11/1/77, 187 pages)

(19) "Peat as a Source of Energy" by the Environment, Energy, and Natural Resources Subcommittee of the House Committee on Government Operations; available from the Committee, U.S. House of Representatives, Washington, D.C. 20515 (9/29/77, 85 pages)

(20) "Fossil Energy Update" by the U.S. Department of Energy; available from the U.S. DOE, Technical Information Center, Oak Ridge, TN (1977, 180 pages, $27.50, stock number FEU-77/12)

(21) "Methane Gas from Coalbeds: Development, Production & Utilization" by the Morgantown Energy Research Center; available from the U.S. DOE-Region III, 1421 Cherry St., Philadelphia, PA 19102 (1978, 22 pp)

(22) "Energy: The Next Twenty Years" by Hans H. Landsberg et al; available from Ballinger Publishing Company, 17 Dunster St., Harvard Sqausre, Cambridge, MA 02138 (1979, 628 pages, $9.95)

(23) "Frozen Fire--Where Will It Happen Next" by Lee Niedringhaus (a report on LNG); available from Friends of the Earth Books, 124 Spear Street, San Francisco, CA (1979)

(24) "Enhanced Oil Recovery" by the Noyes Data Corporation; available from the NDC Publicity Department, Mill Road at Grand Avenue, Park Ridge, N.J. 07656 (1978, 206 pages, $32.00)

(25) "Energy: A Crisis, A Dilemma, or Just Another Problem" by Jesse S. Doolittle; available from Matrix Publishers, Inc. Champaign, IL (1977, 313 pages)

(26) "Oil Transportation by Tankers: An Analysis of Marine Pollution & Safety Measures" by the Office of Technology Assessment; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1975, 288 pages, $2.80; stock number 052-070-03091-7)

(27) "Environmental Quality" by the White House's Council on Environmental Quality; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1978, 600 pages, stock #041-011-00040-8)

(28) "Energy Alternatives: A Comparative Analysis" by the Science & Public Policy Program of the University of Oklahoma-Norman; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1975, 700 pp, $7.45, stock #041-011-00025-4)

(29) "Oil Shale R,D,&D Program Management Plan" by the U.S. Department of Energy; available from the Office of the Assistant Secretary of Energy Technology, US DOE, Washington, DC 20585 (1979, 175 pages)

(30) "Synthetic Liquid Fuels Development: Assessment of Critical Factors" by the U.S. Energy Research & Development Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1976, 90 pages, $1.85, Stock #ERDA 76-129/1)

(31) "Economic Report: Concentration Levels and Trends in the Energy Sector of the U.S. Economy" by Joseph Mulholland & Douglas Webbink; available from the Federal Trade Commission or the U.S. Government Printing Office, Washington, D.C. 20402 (1974, 298 pages, $2.90, stock #1800-00163)

(32) "Oil Industry Earnings" by Sherman Clark; available from the Rose Institute of State & Local Government, Claremont Men's College, Claremont, CA 91711 (1976, 122 pages)

(33) "The Brotherhood of Oil" by Robert Engler; available from the University of Chicago Press, Chicago, IL (1977, 335 pages, $12.50)

(34) "The American Oil Industry: A Failure of Anti-Trust Policy" by Stanley Ruttenberg & Associates; available from the Marine Engineers' Beneficial Assn, 17 Battery Place, N.Y., N.Y. 10004 (1973, 160 pages)

(35) "Energy Perspectives" (a book of energy charts) by the U.S. Department of Interior; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1975, 210 pp, $3.10, stock #024-000-00812-6)

(36) "National Energy Outlook-1976" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1976, 500 pages, $7.30, stock #041-018-00097-6)

(37) "National Energy Plan II" by the U.S. Department of Energy; available from the DOE, Office of Public Affairs, Washington, D.C. 20545 (1979, 300 pages)

(38) "United States Energy Through the Year 2000" by the U.S. Department of Interior/Bureau of Mines; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1975, 65 pages)

(39) "Scientific and Engineering Manpower for Fossil Energy" by Bernard S. Friedman for the U.S. Department of Energy; available from the National Technical Information Service, Springfield, VA 22161 (1979, 202 pages, $9.25)

(40) "Energy Sector Capital Requirements, 1978-1985" by the U.S. Department of Energy; available from the National Technical Information Service, 5285 Port

Royal Road, Springfield, VA 22161 (57 pages, 1979, $6.00, report #DOE/EIA-0103/24)

(41) "An Analysis of Federal Incentives Used to Stimulate Energy Production" by the Battelle Pacific Northwest Laboratories; available from the National Technical Information Service, 5258 Port Royal Road, Springfield, VA 22151 (400 pp, 1978, $13.25)

ORGANIZATIONAL RESOURCES

(1) Environmental Policy Center, 317 Pennsylvania Ave., S.E., Washington, D.C. 20003
(2) National Wildlife FEderation, 1012 16th Street, N.W., Washington, D.C. 20036
(3) Friends of the Earth/Clean Air Coalition, 530 7th Street, S.E., Washington, D.C. 20003
(4) Save Our Cumberland Mountains, P.O. Box 457, Jacksboro, TN 37757
(5) National Coal Association, 1130 17th Street, N.W., Washington, D.C. 20036
(6) Sierra Club, 330 Pennsylvania Avenue, S.E., Washington, D.C. 20003
(7) Appalachia-Science in the Public Interest, P.O. Box 298, Livingston, KY 40445
(8) Northern Plains Resource Council, 419 Stapleton Building, Billings, MT 59101
(9) American Gas Association, 1515 Wilson Boulevard, Arlington, VA
(10) American Petroleum Institute, 2101 "L" Street, N.W., Washington, D.C.
(11) National Oil Jobbers Council, 1707 "H" Street, N.W., Washington, D.C.
(12) National Petroleum Council, 1625 "K" Street, N.W., Washington, D.C.
(13) Energy Action Foundation, 1523 "L" Street, N.W., 3rd floor, Washington, D.C. 20005 (202-737-6220)
(14) Citizens-Labor Energy Coalition, c/o International Assn. Of Machinists & Aerospace Workers, 1300 Connecticut Ave., N.W., Washington, DC 20036

SMALL-SCALE HYDRO

NEWSLETTERS & PERIODICALS

(1) "Small Hydro Bulletin" newsletter; available from the Department of Energy, Idaho Falls, ID 83401

BOOKS & REPORTS

(1) "Estimate of National Hydroelectric Power Potential at Existing Dams" by the U.S. Army Corps of Engineers, 1129 20th Street, N.W., Washington, D.C. 20036 (1977)

(2) "new England Hydroelectric Development Potential" by the New England Federal Regional Council; available from the Council's Energy Resource Development Task Force (1976, 110 pages)

(3) "Harnessing Water Power for Home Energy" by Dermot McGuigan; available from Garden Way Publishing, Charlotte, VT 05445 (1978, 100 pages, $4.95)

(4) "Low Cost Development of Small Water Power Sites" by Volunteers in Technical Assistance, Rhode Island Avenue, Mt. Rainier, MD (50 pages, $2.95)

(5) "Windmills and Watermills" by John Reynolds; available from Praeger Publishers, New York, N.Y. (1975, 196 pages, $8.95)

(6) "Hydropower/Micro-Hydropower" by the U.S. Department of Energy; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1979, $5.25)

(7) "Hydroelectric Power Evaluation" by the Federal Energy Regulatory Commission; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1979, $5.50, stock #061-002-00030-8)

(8) "Low-Head Hydropower Bibliography" prepared by System Dynamics Group, Thayer School of Engineering, Dartmouth College, Hanover, N.H. 03755, attn: Eugene Peters (4 pages)

(9) "Hydroelectric Power Resources of the United States Developed & Undeveloped" by the Federal Energy Regulatory Commission; available from the FERC/Department of Public Information, Washington, D.C. 20426 (1976, $2.20)

ORGANIZATIONAL RESOURCES

(1) Upper Valley Energy Coalition, 18b Mascoma Street, Lebanon, N.H. 03766
(2) Independent Power Developers, c/o William Delp, Box 1467, Noxon, MT 59853
(3) Franklin Pierce Law Center, University of New Hampshire, Durham, N.H. (legal & institutional barriers)
(4) Small Hydropower Applications, U.S. Department of Energy, Room 3344, Washington, D.C. 20461
(5) Licensed Projects Division, attn: Ronald Corso, Deputy Chief, Federal Energy Regulatory Commission, 825 North Capitol St., N.E., Washington, D.C. 20426
(6) Snake River Pottery Hydro Project, attn: Aldrich Bowler, Bliss, ID 83314 (208-837-6379)
(7) Small Hydroelectric Systems & Equipment, 15220 S.R. 530, Arlington, WA 98223
(8) Bell Hydro, Cooperstown, N.Y. 13326
(9) James Leffel Co., Springfield, Ohio 45501
(10) Canyon Industries, Denning, WA 98244
(11) P.P.P., Austin, Nevada 89310
(12) GEA Associates, Katonah, N.Y. 10536
(13) Small Hydro Society, c/o Tree Farm Energy, Inc., Route 3, Slippery Rock, PA 16057

NUCLEAR POWER

NEWSLETTERS & PERIODICALS

(1) "Critical Mass Journal" from P.O. Box 1538, Washington, D.C. 20013

(2) "The Bulletin of the Atomic Scientists" from 1020-24 East 58th Street, Chicago, IL 60637

(3) "Nucleonics Week", c/o McGraw Hill, Inc., 1221 Avenue of the Americas, New York, N.Y. 10020

(4) "The Workbook" by the Southwest Research & Information Center, P.O. Box 4524, Albuquerque, N.M. 87106

(5) "No Nuclear News" by the Boston Clamshell Coalition, 1151 Massachusetts Avenue, Cambridge, MA 02139

(6) "Clamshell Alliance News" by the Clamshell Alliance, 62 Congress Street, Portsmouth, N.H. 03801

(7) "Groundswell" by the Nuclear Information & Resources Service, 1536 16th Street, N.W., Washington, DC 20036
(8) "Planned Emissions" by the Crabshell Olympia, P.O. Box 7185, Olympia, WA 98507
(9) "Shut Down Times" by the Trojan Decommissioning Alliance, 215 S.E. 9th, Portland, OR 97214
(10) "Prarie Alliance Newsletter" from P.O. Box 2424, Station A, Champaign, IL 61820
(11) "Nuclear Opponents" from Citizens Energy Council, Box 285, Allendale, N.J. 07401
(12) "Organizer's Alliance" by People's Alliance, P.O. Box 998, Peter Stuyvesant Station, New York, NY 10009
(13) "On the Watch" by the New England Coalition on Nuclear Pollution, Box 637, Brattleboro, VT 05301
(14) "Northern Sun News" by the Twin Cities Northern Sun Alliance, 1513 East Franklin, Minneapolis, MN 55404
(15) "Iowa Nuclear News" from Free Environment, Activities Center, IMU, Iowa City, IA 52242
(16) "Bailly Alliance News" from P.O. Box 847, Chesterton, Ind. 46304
(17) "Ballast" from Live Without Trident, 1305 Northeast 45th Street, Seattle, WA 98105
(18) "Radioactive Times" from the Abalone Alliance, 452 Higuera Street, San Luis Obispo, CA 93451
(19) "Nuclear Free News" from People for a Nuclear Free Future, 515 Broadway, Santa Cruz, CA 95062
(20) "State Watch" by Minnesota PIRG, 2412 University Avenue, Minneapolis, MN 55414
(21) "Save the Valley Newsletter" from P.O. Box 813, Madison, IN 47250
(22) "First Principles" by the Center for National Security Studies, 122 Maryland Avenue, N.E., Washington, D.C. 20002
(23) "Nuclear Indigestion" by the Quality Environmental Council, P.O. Box 31704, Omaha, NE 68131
(24) "Hot Times" by the American Friends Service Committee, 600 W. 28th Street #104, Austin, TX 78705
(25) "The Mobilizer" from Mobilization for Survival, 1213 Race Street, Philadelphia, PA 19107
(26) "Peace Newsletter" from the Syracuse Peace Council, 924 Burnet Avenue, Syracuse, N.Y. 13203
(27) "Breeder Briefs" newsletter from the Clinch River Breeder Reactor Plant Project (monthly, 8 pages) from P.O. Box U, Oak Ridge, TN 37830
(28) "Carolinians for Safe Energy Newsletter" from P.O. Box 8165, Asheville, N.C. 28804

BOOKS & REPORTS

(1) "Countdown to a Nuclear Moratorium" is a 200-page anthology of articles by leading authorities dealing with safety, economics, civil liberties, conservation, and alternative energy sources. Single copies are $2.00 from Environmental Action Foundation, 724 Dupont Circle Building, Washington, D.C. 20036

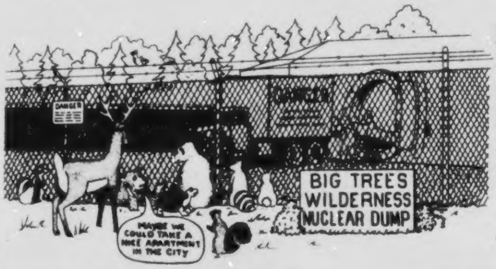
(2) "What You Should Know About the Hazards of Nuclear Power" presents the viewpoint of the Union of Concerned Scientists (1384 Massachusetts Avenue, Cambridge, MA 02238). It claims that nuclear safety systems are unproven, that no long-term methods for storing nuclear wastes have been proven, why plutonium is so dangerous, etc. It is free from them.

(3) "We Almost Lost Detroit" is a controversial account of the 1966 explosion of the Fermi liquid metal fast breeder reactor, written dramatically for maximum impact. Criticized by some scientists and praised by others, the author nevertheless presents it as an Orwellian prophecy based on the Detroit incident. Order it from Conklin Book Center, P.O. Box 5555, Binghamton, N.Y. 13902 for $8.95 (+75¢ postage)

(4) "The Cost of Nuclear Power: A Citizens' Manual" teaches the layman how to critically analyze economics of existing and planned nuclear plants and says conservation and alternative technologies could save money. From Public Citizen, 133 "C" Street, SE, Washington, D.C. 20003; sells for $5.00

(5) "All-Atomic Comics" provides "fun facts" to know and tell about nuclear power that should convince any student that nuclear power is not the way to go. For a single copy, send $1.25 to Educomics, Box 40246, San Francisco, CA 94140

(6) "Nuclear Power: The Unviable Option" by John Berger is perhaps the best in the latest series of books on the nation;s nuclear economy. Clearly sympathetic to the anti-nuclear activists' point of view, this lengthy study (384 pages) covers every aspect of nuclear power -- its technology, costs, health effects, and safety problems. It also takes a critical look at clean energy alternatives such as conservation, sol solar, geothermal, wind, and ocean thermal resources. It brings out the latest findings of scientists & engineers, physicians & geneticists, EPA & DOE, environmentalists & economists. It also provides a short overview of what citizen groups are doing cn nuclear issues. Illustrated and well-footnoted, it is $4.50 from Ramparts Press, Box 10128, Palo Alto, CA 94303.


DANGER
BIG TREES
WILDERNESS
NUCLEAR DUMP
MAYBE WE COULD TAKE A NICE APARTMENT IN THE CITY

© Jack Shepherd cartoon/NWF Art Dept.

(7) "Energy Bibloography, Annotated" by the National Intervenors, a coalition of people and organizations working for safe energy. This is a bibliography for the general reader concerned with nuclear power. Popular literature, government studies, and publications are included. The goal of the Intervenors is to let the reader decide for him/herself about nuclear power and this detailed bibliography makes that possible. Included are solar publications, a listing of over 80 journals and over 100 organizations to contact for more info. $2.00 from National Intervenors, c/o Interfaith Coalition on Energy, 236 Massachusetts Avenue, N.E., Washington, D.C. 20002.

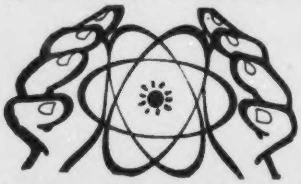
(8) "The Sierra Club and Nuclear Power" explains the Club's position on nuclear energy issues. The 19-page report is particularly valuable for the compreher hensive bibliography of relevant books and articles as well as its listing of the names and addresses of key national resource groups. Single copies are available from the Sierra Club, 530 Bush Street, San Francisco, CA 94104

(9) "Citizens' Guide to Nuclear Power" by Skip Laitner is an organizer's manual prepared for Ralph Nader's Critical Mass '75 conference. The 80-page book addresses the questions: How can you get a bill introduced into your state legislature? How do you challenge utility policies? How can you educate the public on the dangers of nuclear power? The handbook also discusses some significant strategies as well as listings of reference groups and working materials, Send $5.00 to Congress Watch, 133 "C" St, S.E., Washington, D.C. 20003

(10) "Helplessly Hoping" summarizes Maine PIRG's review of the state's Radiological Response Plan for Accidents at the Maine Yankee Nuclear Plant. Based on

three months of research, the report concludes that "if an evacuation of citizens was ever necessary, it could not be accomplished" without serious loss of life. The report could aid citizens elsewhere to evaluate their own state evacuation plans. It is available for $1.50 from Maine PIRG, 2 Stone St., Augusta, Maine 04330.

(11) "Citizens' Guide: The National Debate on the Handling of Radioactive Wastes From Nuclear Power Plants" provides in 50 pages a brief but comprehensive survey of the issues raised by the need to dispose of large quantities of radioactive eastes. NRDC's pamphlet describes the nature of the wastes generated at each stage of the uranium fuel cycle, the history of the efforts to devise acceptable disposal means by both government and industry, and the opportunities for citizen action in 1976 and 1977 to influence the formation of the nation's policies for handling these toxic wastes. Copies are available for $1.50 from NRDC, 664 Hamilton Avenue, Palo Alto, CA 94301.



(12) "The Liquid Metal Fast Breeder Reactor: An Economic Analysis" by Brian G. Chow is an incisive study of the cost-benefit analyses that have previously supported the development of the LMFBR program. The report, prepared under the auspices of the American Enterprise Institute for Public Policy Research, concludes that future energy demand is over-stated, uranium resources are under-estimated, and program costs for the LMFBR are too low. In summary, the book disputes government assertions that the breeder reactor can provide an overall saving in electric generating costs. The 76-page report can be ordered for $3 from AEI, 1150 17th St, NW, Washington, DC

(13) "Nuclear Power: The Fifth Horseman" by Denis Hayes is a review of the multitude of moral and philosophical as well as technical issues that caused commercial nuclear development to slow dramatically in much of the industrialized world and dimmed its prospects in developing countries. Among the issues addressed are the nuclear fuel cycle, nuclear economics, uranium supplies, safety, environmental impacts, weapons proliferation, terrorism, and restrictions on civil liberties. "The most important decision to be made are political and will be made on the basis of what kind of world people want to live in. As increasing numbers of people and countries begin independently and actively to oppose nuclear power, the world may follow. The 66-page book is available for $2 from the Worldwatch Institute, 1776 Massachusetts Ave, NW, Washington, D.C. 20036.

(14) "Sources of Information on Nuclear Power and the Environment" is a helpful 35-page listing of citizen groups, government agencies, and publications dealing with nuclear issues. It's free from the Pacific Northwest River Basins Commission, P.O. Box 908, Vancouver, WA 98660.

(15) "Non-Nuclear Futures: The Case for an Ethical Energy Strategy" by Amory Lovins and John Price seeks to explain that the amount of capital needed for the "nuclear dream" is so unattainable as to be ridiculous, yet sought nonetheless because advocates have not bothered to do their calculations carefully enough. With amply documented technical discussion and some sophisticated energy supply/cost analyses, the authors describe some of the economic and technical grounds for social and ethical concern that they feel should not longer escape the attention of decision-makers and the general public. The 224-page book is $5 from Ballinger Publishing Company, Cambridge, MA (It is also available at some chapter offices of the Friends of the Earth)

(16) "The Nuclear Fuel Cycle: A Survey of the Public Health, Environmental, and National Security Effects of Nuclear Power" by the Union of Concerned Scientists is a lengthy (291 pages) but thorough review of the varied radiation hazards posed by nuclear power Among the issues addressed are: (1) radiation-induced lung cancers among uranium miners, (2) safety ha hazards associated with uranium mill operations, (3) catastrophic nuclear reactor accidents, (4) the nuclear safeguards problem, (5) the transportation of radioactive wastes, and (8) a general overview of the political/ethical questions surrounding atomic development. Copies are $4.95 from the MIT Press, c/o Uniserv, 525 Great Road, Littleton, MA 01460.

(17) "The Poverty of Power: Energy and the Economic Crisis" by Barry Commoner analyzes the relationships between our ecological systems, production systems, and economic, and Political structure. He starts with an explanation of the second law of thermodynamics to illustrate why most of our present energy sources are thermodynamically unmatched for the tasks we want to accomplish. He then links our energy policies to our economic systems to point up the connection between our uses of energy and inflation. Commoner offers analyses of the coal and oil industries, synthetic fuels, nuclear power, solar energy, and ideas for economic change. It is $10 from Alfred Knopf, Random House, 201 East 5th Street, New York, N.Y. 10022.

(18) "Nuclear Energy and Public Health & Welfare in Colorado" is a summary of the presentations made at a symposium held by the American Friends Service Committee (1428 Lafayette St., Denver, CO 80128). The gathering sought to raise what it viewed as the ethical issues bound up with the development and use of nuclear energy and to challenge the common assumption that nuclear decision-making should be left to the technicians. The 76 page report is from AFSC.

(19) "The Electric War: The Fight Over Nuclear Power" by Sheldon Novick discusses the economics, motivation, and profitability of the nuclear power industry and examines who benefits from it and how it's regulated. The author interviews uranium miners, plutonium workers, government and industry leaders, and such citizen nuclear activists as Barry Commoner, David Brower, and Ralph Nader. In addition to the issues of waste disposal, plant safety, and nuclear theft, the author also examines the motivation for the nuclear industry -- i.e. profitability. The 376-page book is $12.50 (cloth) from Sierra Club Books, 530 Bush Street, San Francisco, CA.

(20) "The Accident Hazards of Nuclear Power Plants" by Richard E. Webb explores a variety of problems with nuclear reactor safety. It reviews the accident hazards of each of the three main types of reactors now in use in the U.S. and demonstrates not only that theoretical explorations of the nuclear community have been inadequate but also that theories developed as the basis for granting licenses have not been

verified experimentally. Included is a critical evaluation of the AEC's Rasmussen Report and other nuclear safety reports. A description of some fourteen accidents and near-accidents complete the 228-page book. Ask for price information from the University of Massachusetts Press, Amherst, MA.

(21) "Nuclear Plants: The More They Build, the More You Pay" by Ron Lanoue is a 90-page manual for citizens wishing to work "to prevent the scheduled nuclear future". It provides a general overview of the economic feasibility or infeasibility of nuclear power plants and argues that there are better approaches to satisfying energy needs. Investments in more efficient energy use can reduce energy consumption than reactors will ever increase supply. Alternative energy sources are numerous. Most will be owned by individual users and not by a distant corporation. Copies are $5.00 from Critical Mass, P.O. Box 1538, Washington, D.C. 20013

(22) "Nuclear Energy: The Unforgiving Technology" by Dr. Fred Knelman comes down hard on the side of the right of Canadians (as well as citizens of the U.S.) to decide for themselves on the crucial matter of energy futures. The author explores bias, conflict of interest, and deliberate misinformation on the part of those who have been making our energy decisions for us. He shows that nuclear energy is costlier, more dangerous, less efficient, and less dependable than any of several alternative energy systems -- and that it is ultimately unnecessary. (260 pages, $4.95) Hurtig Publishers, 10560 - 105 Street, Edmonton, Alberta, CANADA T5H 2W7

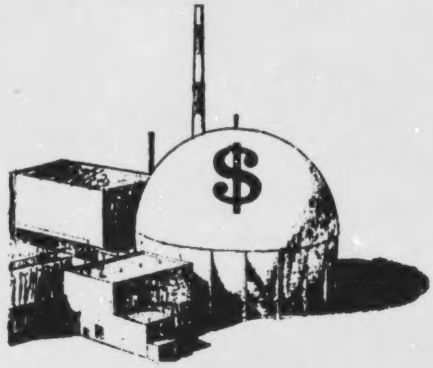
(23) "Nuclear Power Issues & Choices" by the nuclear energy study group organized through the MITRE Corporation and funded by the Ford Foundation. Although the participants in the study come from diverse backgrounds, the final report covers almost everything from an economic perspective. Nuclear power is slightly less expensive and less hazardous than coal in this study, based on their adaptations of the Rasmussen Report. Interestingly, although the study group regards nuclear fission as economically unnecessary for the U.S., they see coal and nuclear as the two short-term alternatives and advocate use of both as a hedge against unforeseen disasterous consequences from one or the other. Published by Ballinger Publishing Company, Cambridge, MA.

The Workbook,

(24) "Nuclear Power" by Walter Patterson describes nuclear power and how the technology works and sometimes fails to work. Written in lively, everday language, the short book (300 pages) surveys the development of nuclear power worldwide and delineates the issues, not only technical, but also economic, social, and political that now pre-occupy policy-makers With an extensive bibliography, it is $3.50 from Penguin Books, 72 Fifth Avenue, New York, N.Y. 10011

(25) "The Silent Bomb" by Peter Faulkner presents a comprehensive explanation of the nuclear power controversy with facts and figures to back it up. Information culled from scientists, journalists, economists, and engineers -- most of whom have had first-hand experience with the atomic-industrial establishment -- reveals the inner workings of industrial, international, and governmental interests in the industry. It includes explanations of how nuclear plants work with illustrations (the author was a nuclear engineer), a glossary, and a bibliography of the nuclear issue, and testimony of three General Electric engineers who resigned because of their belief that present nuclear plants are not safe. This 382-page book is available for $3.95 from Random House, 201 East 50th Street, New York, N.Y. 10022.

(26) "Nuclear Power and its Opponents: A New Jersey Case Study" by Laura Lewis and David Morell of the Center for Environmental Studies at Princeton University is one of several reports the Center has produced dealing with the nuclear issue. This is an in-depth case study of New Jersey as an example of nation-wide decision making in the siting of nuclear power plants, and the growing public participation in this process. The report presents a "description of the public participants and an assessment of their strengths and weaknesses, their failures and successes, and their interactions with utilities and government agencies." This 138-page book looks comprehensively at citizen action and what it can accomplish, with the intent to "develop a better understanding of citizen groups in the nuclear power debate." With bibliography and listing of literature from the featured groups, it is available from the Center (PU/CES #39), Princeton, NJ 08540.



(27) "The Nuke Book", "The Wind Book", "The Sun Book" are a three-book series by Pollution Probe-Ottawa. They ask and answer questions in these areas of concern and are invaluable for the beginner or persons interested in the basics of energy. All three are full of diagrams and illustrations on these technologies and their uses. General principles as well as specific systems, available now and those currently under study are discussed. Available from 53 Queen Street, Suite 54, Ottawa, Ontario, CANADA K1P 5C5 for $1.95 each.

(28) "Local Hazard/Global Threat: Rocky Flats Nuclear Bomb Factory" is a must for Denver residents. The heart of the city is only 16 miles from the Rocky Flats plant where, in 1957, 48.8 pounds of plutonium went up in smoke, This was enough plutonium to provide 1.4 million doses of a million times the maximum permissable lung burden set by federal safety officials. Over 200 fires and numerous other accidents have occured at Rocky Flats. Possibly because o of radiation from the plant, an epidemic of mutant farm animals is occuring at nearby ranches. This 20-page report is available for $1 from Rocky Flats Action Group, 2239 East Colfax Avenue, Denver, CO. It includes a good bibliography.

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(29) "Nuclear Power: The Bargain We Can't Afford" by Richard Morgan charges that nuclear power is viable o only because of lax regulations by state utility commissions and that most state regulators have given utilities a "blank check" to charge consumers for any costs associated with atomic energy. The 100-page report criticizes state agencies that set utility rates for forcing electricity customers to pay for the cost over-runs and malfunctions that have been commonplace at atomic reactors. Cost overruns for nuclear power plants have been 100% and the nation's nuclear generating capacity has been out of service for repairs and maintenance more than 40% of the time. Copies are $3.50 from Environmental Action Foundation, 1346 Connecticut Avenue, N.W., Washington, D.C. 20036.

(30) "Myths and Reality: Nuclear Power, Nuclear Bombs" by James Cubie and published by the Center for the Study of Responsive Law studies the possibilities of atomic war that arise when 3-4 dozen countries are given the power to develop atomic weapons. The myth remains that the nuclear plants and materials will be used only for peaceful power. The reality of wide-spread nuclear proliferation and atomic weaponry still exists. The whys of proliferation and the options and influence the U.S. has in preventing international proliferation are discussed in this 60-page report. Including appendixes and notes, it's $4 from Box 19367, Washington, D.C. 20036.

(31) "Power Plant Reggae" is a terrific folksong by folksinger Malvina Reynolds. Includes the lyrics "Making power in a nuclear plant is like shooting a flea with a gun." Price and ordering information from Schroder Music, 2027 Parker, Berkeley, CA 94704.

(32) "Meltdown at Montegue" offers a Citizens' Guide to the Consequences of an Accident at a Nuclear Reactor in Franklin County, MA. The premise is that scientific data can not accurately predict the possibility of a meltdown such as that fictionally described, that value judgements are involved in the basic issues of nuclear power, and that all citizens should be aware of how they can protect their safety and well-being in the face of a major release of radioactivity. Starting with the basics (i.e. what is a nuclear power plant), the Environmental Studies and Public Policy Group (students & faculty) at Hampshire College present a very readable book on the truth and consequences of a possible accident. Illustrated with references, the book is from ESAPP, Cole Science Center, Hampshire College, Amherst, MA 01002.

DANGER
RADIOACTIVE

(33) "Unacceptable Risk" by McKinley Olson is an overview of the history of nuclear energy, how it works, the politics & legal issues raised, and the inflated economics of nuclear energy. It also features a report on research on low-level radiation that ties nuclear radiation to cancer. With recommendations and extensive references, this 309-page book is $2.25 from Bantam Books, 666 5th Avenue, New York, NY 10019.

(34) "Critical Mass" by Jacque Srouji is a pro-nuclear po polemic that no serious book review publication would touch. Srouji is an embarassment to serious proponents of nuclear power. Typical of the book's self-contradictions, distoritions, and outright lies is when Srouji contradicts an entire chapter on "Why a (fission) Reactor Won't Go Poof in the Night" with the statement "Fusion, unlike fission, cannot blow up...". This is the same Srouji involved in the Karen Silkwood case. Available from Aurora Publishers, 118 16th Avenue South, Nashville, TN 37203.

(35) "The Nuclear Alternative" by Karl Keyerleber (149 pages, 1977, softbound). This study might be better titled "The Anti-Nuclear Alternative". Keyerleber summarizes the case against nuclear power in readable form. Most of the work is a synopsis of solar, wind, tidal, geothermal, and biofuel alternatives. Although little new information is offered and the book is not indexed, this is a pleasant book to read and a good introduction to the disadvantages of nukes versus the advantages of other energy sources. From Natural POWWER, 6031 St. Clair Avenue, Cleveland, Ohio 44103 ($4.00 postpaid)

(36) "The Cost of Marble Hill: Or Who Pay?" (white paper #9) by Dr. Harold Cassidy (1978, 28 pages). Dr. Cassidy, Professor Emeritus of Chemistry at Yale and long-time opponent of the nuclear power plant being built on the Ohio River in southern Indiana, presents legal and scientific arguments to refute the need for and economic viability of the Marble Hill nuke. One of a series of well-written papers on Marble Hill. From Save the Valley, Box 813, Madison, IN 47250 (No price is provided but inquire with Save the Valley about a donation to meet costs).

(37) "The Nuclear Economics Question" by Wisconsin's Environmental Decade (1978, 92 pages). Utilities in Wisconsin and northern Michigan have proposed generating 100% of their base-load power from new nuclear power plants by 1990. This is a well-researched response from a Wisconsin environmental group, prepared for that state's Public Service Commission. A strong data base (shown in the appendixes) backs up the authors' conclusion that nuclear power would be 83% more expensive for Wisconsin than coal-fired plants. From WED, 114 E. Mifflin St., Madison, WI 53703 ($2).

(38) "Nuclear Power & Civil Liberties" by the Citizens' Energy Project (1979, 140 pages, $7) argues that nuclear power and civil liberties are incompatible; it outlines numerous instances of harassing and illegal activities undertaken by government agencies and the utility/nuclear industry against anti-nuclear citizen groups, nuclear workers, nuclear researchers, and residents of communities near nuclear facilities. Available from CEP, 1110 6th St, NW, Washington, DC.

(39) "No Nukes: Everyone's Guide to Nuclear Power" by Anna Gyorgy is a definitive survey of the nuclear issue, ranging from descriptions of the inner workings of nuclear power plants, to the rise of the movement against them, to a survey of alternatives. With contributions from experts all over the world, this book ties together the most important aspects of the global energy crisis that is defining the future of the U.S. & global economy and world society.

(478 pages, 1979, $8.00); available from South End Press, Box 68, Astor Station, Boston, MA 02123.

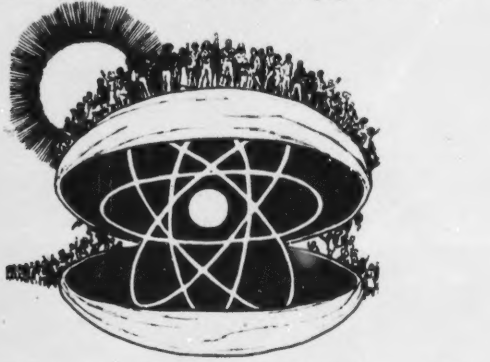
(40) "Poisoned Power: The Case Against Nuclear Power Plants Before and After Three Mile Island" by John Gofman and Art Tamplin describes how nuclear reactors work, what the radiation can do, safety factors, citizens rights, and available alternatives; available from Rodale Press, Organic Park, Emmaus, PA 18049 (368 pages, 1979, $9.95)

(41) "A Handbook for Women on the Nuclear Mentality" by Susan Koen and Nina Swaim; available from Women Against Nuclear Development of the Upper Valley, Box 421, Norwich, VT 05055 (1980, $2.60

(42) "Nuclear Madness" by Dr. Helen Caldicott; available from Autumn Press, 25 Dwight Street, Brookline, MA 02146 (1978, $4.00)

(43) "Irrevy" by Dr. John Gofman; available from the Committee for Nuclear Responsibility, Main P.O. Box 11207, San Francisco, CA 94101 (1979, $4.00)

(44) "Grassroots: An Anti-Nuke Sourcebook" edited by Fred Wilcox; available from the Crossing Press, Trumansburg, N.Y. 14886 (1980, 192 pages, $6.95)



(45) "DOE Role in Nuclear Policies and Programs: Official Manuscript of Public Briefing and Addendum"; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (12/13/77, 191 pages, $9.25)

(46) "Fusion Reactor Physics: Principles & Technology" by Terry Kammash; available from Ann Arbor Science Publishers, P.O. Box 1425, Ann Arbor, MI 48106 (1977, 495 pages)

(47) "Tormac Fusion Reactor" by the Electric Power Research Institute; available from EPRI, 3412 Hillview Avenue, Palo Alto, CA 94304 (1979, 50 pages)

(48) "The Nuclear Economics Question" by Wisconsin's Environmental Decade; available from WED, 114 E. Miffin St., Madison, WI 53703 (1978, 70 pp, $2.00)

(49) "Coal and Nuclear: A Comparison of the Cost of Generating Baseload Electricity by Region" by J.O. Roberts et al; available from NTIS, Springfield, VA 22161 (1978, 100 pp, $6.50)

(50) "Nuclear Power Costs & Subsidies" by the Office of Comptroller General; available from DHISF, P.O. Box 6015, Gaithersburg, MD 20760 (June 1979, report #EMD-79-52)

(51) "Everything You Always Wanted to Know About Shipping High-Level Nuclear Wastes" by the U.S. Department of Energy; available from the U.S. DOE, Division of Environmental Control Technology, Washington, D.C. 20545 (1/78, 53 pp, report #DOE/EV-0003)

(52) "Federal Actions That Are Needed to Improve Safety and Security of Nuclear Materials Transportation" by the U.S. Comptroller General; available from DHISF, P.O. Box 6015, Gaithersburg, MD 20760 (5/79, report #EMD-79-18)

(53) "Report to the President by the Interagency Review Group on Nuclear Waste Management" by the U.S. Department of Energy; available from NTIS, 5285 Port Royal Road, Springfield, VA 22161 (10/78, 150 pages, $9.00)

ORGANIZATIONAL RESOURCES

(1) Catfish Alliance, P.O. Box 6306. Dothan, AL 36301 (205-793-9999)
(2) Arizonans for Peace, P.O. Box 8618, Phoenix, AZ 85004 (602-268-3952)
(3) Arizonans for Safe Energy, 7501 E. Hubbell, Scottsdale, AZ 85257
(4) Cactus Alliance, 528 W. Roosevelt #20, Phoenix, AZ 05003 (602-258-0089)
(5) People's Action for Safe Energy, 401 Watson, Fayetteville, AR 72701 (521-2164)
(6) Abalone Alliance, P.O. Box 2324, Santa Cruz, CA 95063 (408-423-1626)
(7) Abalone Alliance, 944 Market Street, Room 307, San Francisco, CA 94102
(8) People Generating Energy, 452 Higuera St. San Luis Obispo, CA 93401
(9) Mid-Peninsula Conversion Project, 2160 Lake Street, San Francisco, CA 94121
(10) Cactus Alliance, c/o Steve Davis, 1625 16th Street, Boulder, CO 80302
(11) Rocky Flats Action, 1428 La Fayette, Denver, CO 80218
(12) Hartford Clamshell Alliance, 167 Hillside Ave., Hartford, CT 06106
(13) People's Action for Clean Energy, Box 62, Canton, CT 06019
(14) Coalition for Nuclear Power Postponement, 810 W. 25th St., Wilmington, DE 19802
(15) Potomac Alliance, P.O. Box 9306, Washington, D.C. 20005
(16) Catfish Alliance, P.O. Box 20049, Tallahassee, FL 32304
(17) Coastal Citizens for Clean Energy, P.O. Box 9891, Savannah, GA 31401
(18) Georgians Against Nuclear Energy, P.O. Box 8574, Atlanta, GA 30342
(19) Life of the Land, 404 Piikoi Street, Honolulu, Hawaii 96814
(20) Bailly Alliance, 711 S. Dearborn, Room 548, Chicago, IL 60605
(21) Citizens Against Nuclear Power, P.O. Box 6625, Chicago, IL 60680
(22) Paddlewheel Alliance, P.O. Box 344, Bloomington, IN 47401
(23) Bailly Alliance, P.O. Box 847, Chesterton, IN 46304
(24) CURE, c/o Jane Magers, 1342 30th Street, Des Moines, Iowa 50311

(25) Free Environment, Energy Project, Activities Center, IMU, Iowa City, IA 52240
(26) Radioactive Free Kansas, 441 Ohio, Lawrence, KS 66044
(27) Paddlewheel Alliance, 516 W. Catherine Street, Louisville, KY 40203
(28) Oystershell Alliance, 2229 Bayou Road, New Orleans, LA 70119
(29) Island Energy Coaltion, P.O. Box 428, Bar Harbor, ME 04609
(30) Maryland Action, 901 Pershing Drive, Silver Spring,

MD 20910
(31) Chesapeake Energy Alliance, 333 East 25th Street, Baltimore, MD 21218
(32) Boston Clamshell, 1151 Massachusetts Avenue, Cambridge, MA 02138
(33) Nuclear Objectors for a Pure Environment, Box 30, Montague, MA 01351
(34) Detroit Safe Energy Coalition, 691 Seward, #E-1, Detroit, MI 48202
(35) Great Lakes Energy Alliance, P.O. Box 1069-A, Bay City, MI 48706
(36) The Arbor Alliance, P.O. Box 7828, Ann Arbor, MI 48107
(37) Northern Sun Alliance, P.O. Box 8794, Minneapolis, MN 55408
(38) Catfish Alliance/Mississippi, 1305 Madison Avenue, Oxford, MS 38655
(39) MO For Safe Energy, 811 Cherry Street, Room 319, Columbia, MO 65201
(40) Sunflower Alliance, 4311 Holmes, Kansas City, MO 64110
(41) Headwaters Alliance, 430 N. Higgins, Missoula, MT 59801
(42) Nebraskans for Peace, 430 S. 16th St., Lincoln, NE 68508
(43) Sagebrush Alliance, 404 W. McWilliams, Las Vegas, NV 89106
(44) Clamshell Alliance, 62 Congress Street, Portsmouth, NH 03801
(45) Seacoast Anti-Pollution League, c/o Dick Lewis, 5 Market, Portsmouth, NH 03801
(46) Granite State Alliance, 83 Hanover Street, Manchester, N.H. 03101
(47) Safe Energy Alliance, 324 Bloomfield Ave., Montclair, N.J. 07042
(48) Cactus Alliance,1503 Central, N.W., Albuquerque, N.M. 87104
(49) Lakeshore Alliance, 924 Burnett Avenue, Syracuse, N.Y. 13203
(50) People's Power Coalition, 50 North Plymouth Ave., Rochester, N.Y. 14614
(51) Rochester Safe Energy, 713 Monroe Avenue, Rochester, N.Y. 14607
(52) Shad Alliance, 339 Lafayette Street, New York, N.Y. 10012
(53) Long Island Safe Energy Coalition, 90 Pennsylvania Ave., Massapequa, N.Y. 11758
(54) Kudzu Alliance, 2406 Van Dyke Ave., Raleigh, N.C. 27607
(55) Citizens Against a Radioactive Environment, 3960 Winding Way, Cincinnati, OH 45245
(56) Sunbelt Alliance, 1508 E. 15th Street, Tulsa, OK 74120
(57) Supporters of Silkwood, 3115 Harvey Parkway, Oklahoma City, OK 73118
(58) Trojan Decommissioning Alliance, 215 SE 9th Street, Portland, OR 97214
(59) Hanford Conversion Project, 4312 SE Stark, Portland, OR 97215
(60) Keystone Alliance, 1006 S. 46th Street, Philadelphia, PA 19143
(61) Three-Mile Island Alert, 315 Peffer Street, Harrisburg, PA 17102
(62) Rhode Islanders for Safe Power, 63 Boon Street, Narragansett, RI 02882
(63) Palmetto Alliance, 18 Bluff Road, Columbia, S.C. 29201

"HELLO, CHIEF? REMEMBER THAT MODEST SUM OF NUCLEAR MATERIALS WE COULDN'T ACCOUNT FOR? ... WELL, I THINK IT'S TURNED UP."

(64) Black Hills Alliance, P.O. Box 2508, Rapid City, S.D. 57709
(65) Catfish Alliance, 1538 Highland Avenue, Knoxville, TN 37916
(66) SAFE-T, 362 Binkley Dr., Nashville, TN 37211
(67) Lone Star Alliance, 2521 Enfield, Austin, TX 78703
(68) Armadillo Coalition, Box 828, Ft. Worth, TX 76101
(69) VT Yankee Decommissioning Alliance, P.O. Box 1031, Brattleboro, VT 05301
(70) Cactus Alliance, 600 East Street, Salt Lake City, Utah 84102
(71) VA Sunshine Alliance, Box 25007, Richmond, VA 23260
(72) Piedmont Alliance for Safe Energy, 1006 Alta Vista Ave., Charlottesville, VA 22901
(73) Citizen's Energy Forum, P.O. Box 138, McLean, VA 22101
(74) Crabshell Alliance, Box 7185, Olympia, WA 98507
(75) Live Without Trident, 1305 NE 45th Street, Seattle, WA 98105
(76) Hanford Conversion Project, 807 S. 4th Street, Pasco, WA 99301
(77) W.VA. Alliance, 17 Gallatin, Ravenswood, WV 26104
(78) Badger Safe Energy Alliance, Box 68, Durand, WI 54736
(79) Alternative Power Alliance, c/o M. Radke, 127 Hudson, Eau Claire, WI 54701
(80) Wyoming Outdoor Council, Box 1184, Cheyenne, WY 82001
(81) Nuclear Information & Resources Service, 1536 16th Street, N.W., Washington, D.C. 20036 (202-483-0045)
(82) Atomic Industrial Forum, 7101 Wisconsin Avenue, Bethesda, MD (202-654-9260 or 202-833-9234)
(83) Critical Mass Energy Project, 133 "C" Street, S.E. Washington, D.C. 20003 (202-546-4790)
(84) Southwest Research & Information Center, P.O. Box 4524, Albuquerque, N.M. 87106
(85) Nuclear Regulatory Commission, 1717 "H" Street, N.W., Washington, D.C. 20555

TRANSPORTATION ENERGY CONSERVATION

NEWSLETTERS & PERIODICALS

(1) "Mass Transit" from 555 National Press Building, Washington, D.C. 20045 (202-638-0330)
(2) "Bicycle Forum", edited by Elizabeth Drake, from the Bicycle Federation, P.O. Box 68, Silver Spring, MD 20907
(3) "Bicycling" Magazine from 119 Paul Drive, Box 4450, San Rafael, CA 949903
(4) "City Cyclist" from Transportation Alternatives, 55 West 42nd Street, New York, N.Y.10036

BOOKS & REPORTS

(1) "Bicycle Transportation" by Nina Dougherty & William Lawrence, U.S. Environmental Protection Agency, Office of Public Affairs, Washington, D.C. 20460 December 1974)
(2) "Van Pool Implementation Handbook" by the U.S. Department of Energy; available from the DOE Technical Information Center, P.O. Box 38, Oak Ridge, TN 37830 (1979, 36 pages)
(3) "New Approaches to Successful Vanpooling" by the

U.S. Department of Energy; available from the DOE Office of Transportation Programs, Conservation & Solar Applications, Rm. 2221-C, Washington, D.C. 20585 (1979)

(4) "Guidelines for the Organization of Commuter Van Programs" available from the U.S. Government Printing Office, Washington, D.C. 20402 ($1.65, stock number 050-001-00115-2)

(5) "How to Save Gasoline...and Money" by the U.S. Department of Energy, Office of Public Affairs, Washington, D.C. 20585 (free, 1979)

(6) "The Second Edition of the 1979 Gas Mileage Guide" available free from Fuel Economy, Pueblo, CO 81009 (ask about their 1980 & 1981 guides)

(7) "The Mantua Experience" (about a community bus program) available from the American Automobile Association, 8111 Gatehouse Road, Falls Church, VA 22042 (1975, 9 pages, free, stock #2701)

(8)"Energy and Transportation" by the Society of Automotive Engineers, Dept. 207, 400 Commonwealth Dr., Warrendale, PA 15096 ($12.95)

(9) "How to Put Together a Vanpool" by the University of Tennessee for the Urban Mass Transit Association; available from the U.S. Department of Energy, Office of Conservation & Solar Applications, Washington, D.C. 20585 (1977, 22 pages, free, NP-22775)

(10) "Vanpools" by the U.S. Department of Transportation, Federal Highway Administration, Urban Planning Division, Washington, D.C. 20590 (1974, 13 pp)

(11) "Energy Conservation: Potential of Mass Transit" by the Federal Energy Administration; available from the Energy Division, Oak Ridge National Laboratory,, Oak Ridge, TN 37830 (1975, 28 pp, free)

(12) "Demand-Responsive Transportation" by the U.S. Department of Transportation, Office of Program Development, Transportation Systems Center, Kendell Square, Code 151, Cambridge, MA 02142 (1974, 100 pages)

(13) "ParaTransit: The Idea May Be Nifty but..." by Luther J. Pickrel and William C. Rogers; available from the Agricultural Extension Service, University of Minnesota, St. Paul, MN 55108 (1977, 201 pp)

(14) "A Bikeway Criteria Digest: The ABCD's of Bikeways" by the U.S. Department of Tranportstion, Federal Highway Administration, Washington, D.C. 20590 (1977, 78 pages, report #FHWA-TS-77-201)

(15) "The 3-M Commute-A-Van Program: Status Report" by Robert D. Owens & Helen Sever; available from the 3-M Company, 3-M Center, St. Paul, MN 55101 (1974, 50 pages, free)

(16) "Bibliography of Current Materials" by the National Energy Efficient Driving System; available from the National Public Services Research Institute, 123 N. Pitt Street, Alexandria, VA 22314 (1977, 9 pages)

(17) "Bicycle-Pedestrian Design Manual for Ada County" available from the Idaho Office of Energy, Statehouse, Boise, ID 83720 (1978, 58 pages, free)

(18) "Energy Conservation in Urban Transit Systems" by Martin Bernard & Sarah LaBelle; available from the Regional Transportation Authority, 300 N. State St., Chicago, IL 60610 (1975, 17 pages, free)

(19) "Energy Conservation in the Transportation Sector" (chapter in book "Energy: Conservation & Public Policy" edited by John Sawhill); available from Prentice Hall, Inc., Englewood Cliffs, N.J. 07632 (1979, 259 pages)

(20) "Tips for Energy Savers: In and Around the Home, On the Road, In the Marketplace" by the U.S. Department of Energy; available from the U.S. DOE Technical Information Center, P.O. Box 62, Oak Ridge, TN 37830 (1978, 46 pages, #DOE/CS-0020, free)

ORGANIZATIONAL RESOURCES

(1) Public Transit Division, Department of Transportation, 304 Transportation Building, attn: Dennis Moore, Salem, OR 97310

(2) Commuter Connection, 3020 Bridgeway Boulevard, Sausalito, CA 94965

(3) CALTRANS, c/o California State Transportation Authority, P.O. Box 3366, Rincon Annex, San Francisco, CA 94119

(4) Washington Area Bicycle Association, 1520 16th St., Suite A, Washington, D.C. 20036

(5) League of American Wheelmen, Attn: Ralph Hirsh, 112 South 16th Street, 9th floor, Philadelphia, PA

(6) The Bicycle Network, attn: John Dowlin, 14 Oak St., Brattleboro, VT 05301

(7) Santa Clara Valley Bicycle Assn, attn: Ellen Fletcher, 777-108 San Antonio Road, Palo Alto, CA 94303

(8) Delaware Friends of Bikecology, Inc., 1224 Winstead Road, Wilmington, DE 19803

(9) People's Transit Association, Inc., P.O. Box 8393, Portland, OR 97207

(10) Philadelphia Bicycle Coalition, 3410 Baring St., Philadelphia, PA 19104

(11) Mountain Bicyclists' Assn., Inc., 1200 Williams Street, Denver, CO 80218; attn: Thomas C. O'Hara

(12) Bikecentennial, P.O. Box 8303, Missoula, MT 59807 (406-721-1776)

(13) Commuter Computer, 3440 Wilshire Blvd., Suite 610, Sausalito, CA 90010 (213-380-7433)

(14) Commuter Connection, 3020 Bridgeway Boulevard, Suite 106, Sausalito, CA 94965 (415-332-8333)

(15) National Association of Vanpool Operators, 610 Ivystone Lane, Cinnaminson, N.J. 08077

(16) The Walking Association, 4113 Lee Highway, Arlington, VA 22207 (703-527-5374)

(17) Bicycle Commuters of New York, 5 Beekman Street, Room 404, New York, N.Y. 10038 (212-732-8552)

(18) Action Now Vanpool Program, Village West Center Mall, 1015 West Chestnut Street, Louisville, KY 40203 (502-584-1823)

(19)Personal Mobility Committee, Inc., 347 Broad St., Newark, N.J. 07102 (201-623-8000)

(20)Dial-A-Ride, DART-UPTRAN, c/o MI Dept. of Transportation, P.O. Box 30050, Lansing, MI 48909

(21) N.C. Bicycle Program, c/o State Dept. of Transportation, Raleigh, N.C. 27611 (919-733-2804)

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WATER POWER-MISCELLANEOUS

BOOKS & REPORTS

(1) "Thermal Energy from the Sea" by Arthur Hagen; available from the Noyes Data Corp., Park Ridge, NJ (1976, 150 pages, $24.00)
(2) "Waves" by Herbert Zim; available from Morrow & Co., New York, N.Y. (1967, 64 pages, $2.94; aimed a grades 3-5)
(3) "Tidal Power" by J.J. Gray and O.K. Gashus; available from Plenum Press, 227 West 17th Street, New York, N.Y. 10011 (1972, 630 pages, $28.00)
(4) "Energy from the Ocean" by the Subcommittee on Advanced Energy Technologies & Energy Conservation, Research, Development & Demonstration, of the U.S. House of Representatives' Committee on Science and Technology, Washington, D.C. 20515 (April 1978, 430 pages)
(5) "Proceedings, Third Workshop on Ocean Thermal Energy Conversion" by Gordon Dugger; available from the Applied Physics Laboratory, the John Hopkins University, John Hopkins Rd., Laurel, MD 20810 (1975, 231 pages)
(6) "Ocean Thermal Energy Conversion--Program Summary" by the Energy Research & Development Administration; available from the U.S. DOE Office of Conservation & Solar Applications, Washington, D.C. 20585 (1976, 115 pages)
(7) "Ocean Thermal Energy Conversion Program" by the U.S. Department of Energy; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1978, 201 pages, $9.25)

ORGANIZATIONAL RESOURCES

(1) Sea Solar Power, c/o J. Hilbert & James H. Anderson 2422 South Queen St., York, PA 17402 (OTEC)
(2) Soft Ocean Systems Collective, c/o Environmental Studies, University of California at Santa Cruz, Santa Cruz, CA 95064 (waves)
(3) Undulating Energy Corporation, c/o Robert Neville, P.O. Box 1502, Lake Oswego, OR 97034 (waves)

(4) New Englanders for Tidal Power, 755 Boylston Street, Room 306, Boston, MA 02116
(5) TRW, attn: Dr. Robert H. Douglass, One Space Park, Redondo Beach, CA 90278 (OTEC)

ENERGY EDUCATION

NEWSLETTERS & PERIODICALS

(1) "Energy Conservation/Education Information Bulletin" available from the ERIC Clearinghouse for Science, Mathematics & Environmental Education, the Ohio State University, 1200 Chambers Rd., 3rd fl., Columbus, Ohio 43212
(2) "Alternative Energy Education" newsletter; available from Energy Education Associates, 13 Evergreen Road, Hampton, N.H. 03942 ($22/year)
(3) "The Energy Educator Newsletter" by Energy Education Associates, 13 Evergreen Road, Hampton, N.H. 03842 (bi-monthly, $22/year)
(4) "Career World" magazine available from Curriculum Innovations Inc., 501 Lake Forest Avenue, Highwood, IL 60040 (43.95/year, 9 issues/year)
(5) "Environmental Education Report" magazine published by Environmental Educators, Inc., 1621 Connecticut Avenue, N.W., Washington, D.C. 20009
(6) "Interstate Energy Conservation Leadership Clearinghouse" newsletter available from the IECL, 201 E. Colfax Avenue, Denver, CO 80203
(7) "Wisconsin Association for Environmental Education Newsletter" available from WAEE, Environmental Programs, Roseman 141, University of Wisconsin, Whitewater, WI 53190
(8) "N.A.E.E. Newsletter" available from the National Association for Environmental Education, 5940 S.W. 73 Street, Miami, FL 33143

BOOKS & REPORTS

(1) "Solar Energy Education Bibliography" by the Center for Renewable Resources; available from CRR, 1001 Connecticut Avenue, N.W., Washington, D.C. 20036 (1980, 50+ pages, $3.95)
(2) "Activities of the Department of Energy in Energy Education" by the DOE Office of Education, Business & Labor Affairs; available from the DOE Technical Information Center, P.O. Box 62, Oak Ridge, TN 37830 (1978, 66 pages)
(3) "The Energy Extension Act of 1975: Hearings" by the House Subcommittee on Energy Research, Development & Demonstration"; available from the House Committee on Science & Technology, U.S. House of Representatives, Washington, D.C. 20515 (4/1/76, 1061 pages)
(4) "NSTA Energy-Environment Materials" by the National Science Teachers Association (1976; three books: "Sourcebook" - $4; "Mini-Unit Guide - $2; "Energy-Environment Materials Guide" - $3); available from NSTA, 1742 Connecticut Avenue, N.W., Washington, D.C. 20009; also ask about their newsletter "Energy & Education"
(5) "National Solar Energy Educational Directory" by the Solar Energy Research Institute; available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (1979, $4.75, stock #061-000-00210-3)
(6) "Mathematics in Energy"; "Energy, Engines, & the Industrial Revolution"; "How a Bill Becomes Law to Conserve Energy" by the National Science Teachers Association; available from the DOE/TIC, P.O. Box 62, Oak Ridge, TN 37830 (free)
(7) "Research Supported Energy Education Strategies" by the Midwest Center for Research and Training; 2130 Luwanna Drive, Lansing, MI 48710
(8) "Reaching Up, Reaching Out: A Guide to Organizing Local Solar Events" by the Solar Energy Research Institute; available from the Government Printing Office, Washington, D.C. 20402 (1979, $8.50, stock # 061-000-00345-2)
(9) "Meeting Energy Workforce Needs -- Determining Education & Training Requirements" from Information

Dynamics Inc., 111 Claybrook Drive, Silver Spring, MD 20902 ($20 postpaid)

(10) "A Selected Guide to Federal Energy and Education Assistance" by the U.S. Department of Energy; available from Education Programs, Office of Consumer Affairs, DOE, Room 8G082, Washington, D.C. 20585

(11) "Energy Education Materials Bibliography" by the Minnesota Energy Agency; available from the Educational Resources Info. Center, Documentation Reproduction Service, P.O. Box 190, Arlington, VA 22210 ($4.82; order #ED-162900)

(12) "Energy Education Materials Inventory" prepared by the University of Houston; available from Education Division, U.S. Department of Energy, Washington, D.C. 20585 or the U.S. Government Printing Office, Washington, D.C. 20402 (Vol. I: through May 1976 - $5.25; stock #061-000-00183-2); (Vol. II 6/76 - 12/78; $8; stock #061-000-00341-0)

(13) "Energy: An Annotated Bibliography of Selected Energy Education Materials" by the Massachusetts Audubon Society's Environmental Education Institute; available from the Educational Resources Info. Ctr., Document Reproduction Service, POB 190, Arlington, VA 22210 ($3.50; order #ED-162912)

(14) "Environmental Education: Guides/Booklets" by the Lee County Schools, Environmental Education, 2055 Central Ave., Fort Myers, FL 33901 (free)

(15) "Energy Education Programs and Resources" by the Energy Education Action Center, Room 514, Reporters Building, 300 7th Street, S.W., Washington, D.C. 20202 (free)

(16) "Student Guide to Alternate Energy" by the Epoch B Project of the Evanston Environmental Assocaition, 2024 McCormick Blvd., Evanston, IL 60201 (1978, 40 pp, $2.50)

(17) "Renewable Energy Curriculum Activities" by Conservation Consultants, 417 Thorne Street, Sewickley, PA 15143 (1979)

(18) "Appropriate Technology Curriculum" by the National Center for Appropriate Technology, P.O. Box 3838, Butte, MT 59701 (1980, 50 pages, $5.00)

(19) "Award-Winning Energy Education Activities for Elementary and High School Teachers" by the National Science Teachers Association; available from DOE-TIC, P.O. Box 62, Oak Ridge, TN 37830 (1977, 38 pp)

(20) "Energy: Selected Resource Materials for Developing Energy Education/Conservation Programs" by the National Wildlife Federation, 1412 16th Street, N.W., Washington, D.C. 20036 (1974, 22 pages, free)

(21) "Solar Energy Bibliography for Children and Young Adults" by the National Solar HEating & Cooling Information Center, P.O. Box 1607, Rockville, MD 20850 (1 page, 1978, free)

(22) "Energy Conservation Education: An Action Approach" by Michael Zamm & Barry Samuel; available from the Council on the Environment of New York City, 51 Chambers Street, Rm. 228, New York, N.Y. 10007 (1977, 65 pages)

(23) "Curriculum Activities Guide to Electrical Power Generation & the Environment" by Project KARE, McGinnis Office Building, Rt. 73 & Butler Pike, Blue Bell, PA 19422 ($5.50)

(24) "Ideas and Activities for Teaching Energy Conservation" available from the University of Tennessee Environment Center, South Stadium Hall, Knoxville, TN 37916 (free)

ORGANIZATIONAL RESOURCES

(1) The National Association for Environmental Education, 5940 S.W. 73rd Street, Miami, FL 33143

(2) Project Pacesetter, c/o Americans for Energy Independence, Park Building, 355 Fifth Avenue, Pittsburgh, PA 15222 (412-281-7453)

(3) The Education Exploration Center, P.O. Box 7339. Powderhorn Station, Minneapolis, MN 55407

(4) New Western Energy Show, 435 Stapleton Building, Billings, MT 59101

(5) League of Women Voters Education Fund, attn: Energy Program, 1730 "M" Street, N.W., Washington, DC 20036

(6) Energy and Education Action Center, attn: Dr. Wilton Anderson, U.S. Office of Education, Rm. 514, Reporters Building, 300 Seventh Street, S.W., Washington, D.C. 20202 (202-472-7777)

(7) Enterprise for Education, Inc., 10960 Wilshire Blvd., Los Angeles, CA 90024

(8) National Energy Foundation, 366 Madison Avenue, New York, N.Y. 10017

(9) Educational Facilities Laboratories, 850 Third Ave., New York, N.Y. 10022

(10) Energy Education Services, attn: N.E.E.D. Headquarters, P.O. Box 12, Earlton, N.Y. 12058

(11) Energy & Man's Environment, 0224 South West Hamilton, Suite 301, Portland, OR 97201 (503-226-7131)

(12) Ocean County Youth Energy Conservation Corps, 127 Hooper Avenue, Toms River, N.J. 08753

(13) Energy Management Center, P.O. Box 190, Port Richey, FL 33568 (813-848-4870)

(14) Regional Energy Information Center, Staples, MN 56479 (201-894-2430; ext. 146)

(15) Fulton County Cooperative Extension Service, Pennsylvania State University, Courthouse Annex, McConnellsburg, PA 17233 (717-485-4111)

(16) The Solar-Ed Corporation, 1627 Litchfield Turnpike, P.O. Drawer X, Woodbridge, CT 06525 (203-624-5151)

INDUSTRIAL ENERGY CONSERVATION

NEWSLETTERS & PERIODICALS

(1) "Saving Energy" newsletter; available from "Saving Energy", Sanford Station, P.O. Box 75837, Los Angeles, CA 90075 ($50.00/year)

BOOKS & REPORTS

(1) "Energy Conservation Program Guide for Industry & Commerce" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (209 pp, 1975, $2.90; report #S/N 003-003-01323-4)

(2) "Energy Handbook for Small Businesses, Handling Fuel and Fuel Problems" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1975, 10 pages, 35¢, report #S/N 041-018-00072-1)

(3) "Energy Use in the Food System" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1976, 130 pages, $2.65, report #041-018-00109-3)

(4) "Total Energy Management" by the National Electrical Manufacturers Association, 155 East 44th Street, New York, N.Y. 10017; available from the U.S. De-

partment of Commerce, Office of Energy Programs, Washington, D.C. (1975, 50 pages)

(5) "Towards Energy Conservation by Manufacturing Industries" by the Office of Energy Conservation, Department of Energy, Mines & Resources, Ottawa, Canada (1975, 50 pages)

(6) "Abuse of Power: A Study of Industrial & Commercial Energy Use in New Jersey" by the New Jersey Public Interest Research Group, 32 Lafayette Street, Trenton, N.J. 08608 (1974, 130 pages)

(7) "Industrial Energy Conservation: Where Do We Go From Here?" by INFORM, 25 Broad Street, New York, N.Y. 10004 (1977, 35 pages, $10.00)

(8) "Voluntary Industrial Energy Conservation" by the U.S. Department of Energy, Office of Business Assistance Programs, Washington, D.C. 20585 (1977, 15 pp)

(9) "A Study of Energy Conservation Potential in the Baking Industry" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1976, 260 pp, $3.30)

(10) "A Study of Energy Conservation Potential in the Meat-Packing Industry" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1976, 280 pages, $3.40, report #041-018-00118-2)

(11) "Industry Can Save Energy Without Stunting Its Growth" by Tom Alexander (an article in "Fortune Magazine", May 1977, pages 186-200)

(12) "District Heating: Co-Generation Industrial Waste Heat Utilization" by the Swedish Trade Commission; available from the STC, 333 N. Michigan Ave., Chicago, IL 60601 (1979, 400 pages)

(13) "The Case for Industrial Co-Generation: Benefits for the Nation and Potential in New Jersey" by the NJ PIRG, 32 West Lafayette St., Trenton, N.J. 08608 (1977, $5.00)

(14) "Industrial and Institutional Waste Heat Recovery" by the Noyes Data Corporation; available from NDC, Publicity Department, Mill Road at Grand Avenue, Park Ridge, N.J. 07656 (1979, 362 pages, $28.00)

ORGANIZATIONAL RESOURCES

(1) Flack & Kurtz Energy Management Corporation, 29 West 38th Street, New York, N.Y. 10018

(2) Air Conditioning and Refrigeration Institute, 1815 N. Fort Myer Drive, Arlington, VA 22209

(3) Manufacturing Chemists Association, 1825 Connecticut Avenue, N.W., Washington, D.C. 20009

(4) Dow Chemical, attn: Irving G. Snyder Jr., Technology Center Administration, 2020 Dow Center, Barstow Building, Midland, MI 48640

(5) National Electrical Contractors Association, 7315 Wisconsin Avenue, Washington, D.C. 20014

(6) American Institute of Plant Engineers, 1021 Delta Avenue, Cincinnati, Ohio 45208

SOLAR-MISCELLANEOUS

BOOKS & REPORTS

(1) "The Renewable Energy Handbook" by Energy Probe, 43 Queens Park Cres. E., Toronoto, Ontario, CANADA M5S 2C3 (1976, 61 pages)

(2) "Solar Energy: Technology and Applications" by J. Richard Williams; available from Ann Arbor Science Publishers, P.O. Box 1425, Ann Arbor, MI 48106 (1977, 182 pages)

(3) "Analysis of the Economic Potential of Solar Thermal Energy to Provide Industrial Process Heat" by the InterTechnology Corporation; available from NTIS, Springfield, Va 22161 (1977, $5.50, report #COO/2829-1

(4) "Solar Energy for Agricultural and Industrial Process Heat" by the Energy Research & Development Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1977, report #060-000-00079-4)

(5) "Renewable Energy Guide" by Paul W. Little, 1400 Wentworth Avenue, Sacramento, CA 95822 (1978, 25 pp)

(6) "Industrial Applications of Solar Total Energy" by McDonnell Douglas Astronautics Company; available from NTIS, 5285 Port Royal Road, Springfield, VA 22151 (1977, $4.50)

(7) "Preliminary Environmental Assessment for Solar Power Systems" by the U.S. Department of Energy; available from the U.S. DOE, c/o Argonne National Labs, 400 North Capitol Avenue, Washington, D.C. 20001 (1978, 170 pages)

(8) "SPS Concept Development and Evaluation Program" by the U.S. Department of Energy; available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1978, 170 pages, $11.75, report #DOE/ER-0023)

(9) "Solar Energy Heat Pump Systems for Heating and Cooling Buildings" edited by Stanley F. Gilman; available from the Pennsylvania State University, College of Engineering, University Park, PA (1975, 248 pages)

(10) "The New Heat Pump: A Practical Analysis of Costs and Reliability" by the Better Heating-Cooling Council, 35 Russo Place, Berkeley Heights, NJ 07922 (1977, 30 pages)

ENERGY CONSERVATION-MISCELLANEOUS

NEWSLETTERS & PERIODICALS

(1) "Energy Saver's Digest" edited by Frances Smith, available from Cambridge Associates, 137 Newbury St., Boston, MA 02116 (monthly, 4 pages)

BOOKS & REPORTS

(1) "Energy Conservation in the Food System" by the Federal Energy Administration; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1976, 74 pages, $1.45, report #

(2) U.S. Food & Fiber Sector: Energy Use and Outlook" by the Economic Research Service; available from the U.S. Department of Agriculture, Washington, DC (9/20/74)

(3) "Essays on Food and Energy" by Howard Community College and Foundation for Self-Sufficiency; available from the Foundation for Self-Sufficiency, 35 Maple Avenue, Catonsville, MD 21228 (1977, 184 pages)

(4) "Agriculture and Energy" edited by William Lockeretz; available from Academic Press Inc., 111 Fifth Avenue, New York, N.Y. 10003 (1977, 750 pages)

(5) "Energy Conservation Through Improved Solid Waste Management" by the U.S. Environmental Protection Agency; available from the Solid Waste Management Publications Distribution Unit, EPA, Cincinnati, OH 45268 (1974, 80 pages)

(6) "Potential Effects of a National Mandatory Deposit on Beverage Containers" by the Comptroller General of the United States; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1977, 91 pages, report #PAD-78-19)

(7) Architecture & Energy" by Richard G. Stein; available from Anchor Press/Doubleday, Garden City, N.Y. (1977, 322 pages, $12.95)

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COMMUNITY ENERGY PLANNING

NEWSLETTERS & PERIODICALS

(1) "Ways and Means" newsletter from the Conference on Alternative Local/State Policies, 2000 Florida Ave., N.W., Washington, D.C. 20009 (monthly)

(2) "Self-Reliance" newsletter from the Institute for Local Self-Reliance, 1717 18th Street, N.W., Washington, D.C. 20009 (monthly)

(3) "Soft Energy Notes" from Friends of the Earth, 124 Spear Street, San Francisco, CA 94105

(4) "Cities and Energy" newsletter from the National League of Cities, 1620 Eye Street, N.W., Washington, D.C. 20006 (202-293-7310)

(5) "County News" by the National Association of Counties, 1735 New York Avenue, N.W., Washington, D.C. 20006 (202-783-5113) (monthly)

(6) "The Neighborhood Works" newsletter by the Center for Neighborhood Technology, 570 West Randolph St., Chicago, IL 60606 (312-454-0126)

BOOKS & REPORTS

(1) "Public Policies for the 80's" by the Conference/Alternative State & Local Policies, 2000 Florida Ave., N.W., Washington, D.C. 20009 (1978, 254 pages, $9.95)

(2) "A Guide to Cooperative Alternatives" by Paul Freundlich et al, available from Communities, P.O. Box 426, Louisa, VA 23093 (1979, 184 pages, $5.95)

(3) "RAINbook: Resources for Appropriate Technology" by Lane deMoll et al, available from RAIN Magazine, 2270 N.W. Irving, Portland, OR 97210 (1977, 251 pp, $7.95)

(4) "People Power: What Communities Are Doing to Counter Inflation" by the U.S. Office of Consumer Affairs available from the Public Documents Distribution Center, Pueblo, CO 81009 (1980, 411 pages, free)

(5) "Cookbook for Community Energy Education and Outreach" by James E. Notestein; available from the Region III Energy Action Committee, c/o North Central Florida Regional Planning Council, 2002 N.W. 13th Street, Suite 202, Gainesville, FL 32601 (1980, 32 pages)

(6) "Wyoming Community Energy Handbook" by the Wyoming Energy Conservation Office, Cheyenne, WY 82001 (1979, 59 pages)

(7) "Community Energy Conservation Conferences: A Manual for Organizers" by the U.S. Department of Housing and Urban Development, Office of Neighborhoods, Voluntary Associations & Consumer Protection; available from the U.S. Government Printing Office, Washington, D.C. 20402 (1979, 40 pages, report #HUD-NVACP-492)

(8) "Compact Cities: Energy Saving Strategies for the Eighties" by the Subcommittee on the City of House Committee on Banking, Finance & Urban Affairs; available from the Committee, U.S. House of Representatives, Wa-hington, D.C. 20515 (7/80, 86 pages

(9) "Shining Examples: Model Projects Using Renewable Resources" by the Center for Renewable Resources; available from SUNDRIES, Solar Lobby, 1001 Connecticut Avenue, N.W., Suite 510, Washington, D.C. 20036 (1980, 210 pages, $6.95)

(10) "Establishing an Energy Office: Seven County Programs" by Don Spangler and Sue Guenther; available from the National Association of Counties Research Foundation, 1735 New York Avenue, N.W., Washington, D.C. 20006 (1979, 50 pages)

(11) "Solar Energy, Cities, and Economic Development" by David Morris; available from the Institute for Local Self-Reliance, 1717 18th Street, N.W., Washington, D.C. 20009

(12) "Strategies for State & Local Energy Plans" by the American Institute of Architects, State & Local Government Programs, 1735 New York Avenue, N.W., Washington, D.C. 20006

(13) "County Energy Plan Guidebook: Creating a Renewable Energy Plan" by Alan Okagaki and Jim Benson; available from the Institute for Ecological Policies, 9208 Christopher Street, Fairfax, VA 22031 (1979, $15.00, 170 pages)

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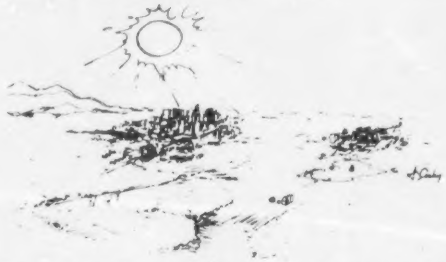

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(2) Institute for Local Self-Reliance, 1717 18th St., N.W., Wahsington, D.C. 20009

(3) New England Energy Congress, c/o New England Congressional Institute, 53 "D" Street, S.E., Washington, D.C. 20003

(4) Conference of Local Energy Officials, c/o National League of Cities, 1620 Eye Street, N.W., Washington, D.C. 20006 (202-293-7310)

(5) Center for Urban Environmental Studies, 1012 14th Street, N.W., Washington, D.C. 20005

(6) National Association of Regional Councils, 1700 "K" Street, N.W., Washington, D.C.

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(11) St. Paul Energy Office, 365 City Hall, St. Paul, MN 55102 (612-292-6730)

(12) Franklin County Energy Project, P.O. Box 548, Greenfield, MA 01302

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(14) Community Development Department, City of Davis, 226 F Street, Davis, CA 95616

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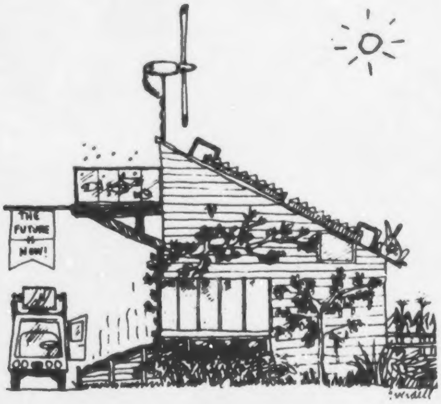
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Alternative Energy Collective CA-7
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Center for Rural Affairs/Electric Utility Research Project KS-50
Center for Solar Energy Applications CA-8
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David Deppen, Architect OR-99
Design Alternatives, Inc. DC-33
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Donald A. Bain OR-98
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Sherman S. Cook MT-72
Patrick G. Crandall AZ-3
Michael Gregory AZ-4
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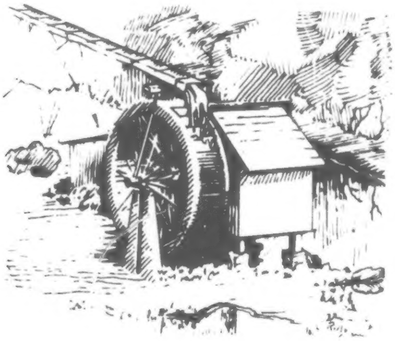

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NUCLEAR QUOTES BOOK

A well-illustrated collection of amusing, absurd, & effective quotes on nuclear power and safe energy alternatives from people ranging from Nader to Ghandi to Einstein to the Beatles. (24 pages, 1978, $2.25)

NUCLEAR POWER & CIVIL LIBERTIES

Subtitled "Can We Have Both?", this study discusses the pattern of spying and harassment by government & industry aimed at those who are potential threats to nuclear facilities including anti-nuclear activists, scientists, nuclear workers & persons living near nuclear facilities. (145 pages, 1979, $7.00)

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This first volume of three offers resource listings in housing, self-help health care and alternative education as well as an introductory chapter to appropriate technology. (58 pages, 1980, $3.00)

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Discusses over 100 harmful chemical substances commonly used in the home ranging from oven cleaners to rugs & curtains to paints to detergents to aerosols. Precautions for use are suggested as well as safe alternatives. (309 pages, 1978, $3.50)

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A very readable survey of the nuclear issue, including the history of nuclear power, the rise against it and a survey of alternatives. By Anna Gyorgy & Friends. (478 pages, 1979, $8.00)

99 WAYS TO A SIMPLE LIFESTYLE

Provides 99 essays proposing simple alternatives to today's over-consumptive lifestyles in housing, transportation, recreation, food, etc. (324 pages, 1976, Doubleday/Anchor Press, by Albert Fritsch, $3.50)

SOLAR ENERGY: ONE WAY TO CITIZEN CONTROL

A comprehensive study of solar technologies, analysis of federal solar development programs, and applications & implementations of small-scale solar systems. It aims to show that all communities can use solar energy to become energy self-sufficient. (124 pages, 1976, $6.00 by Alan Okagaki)

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